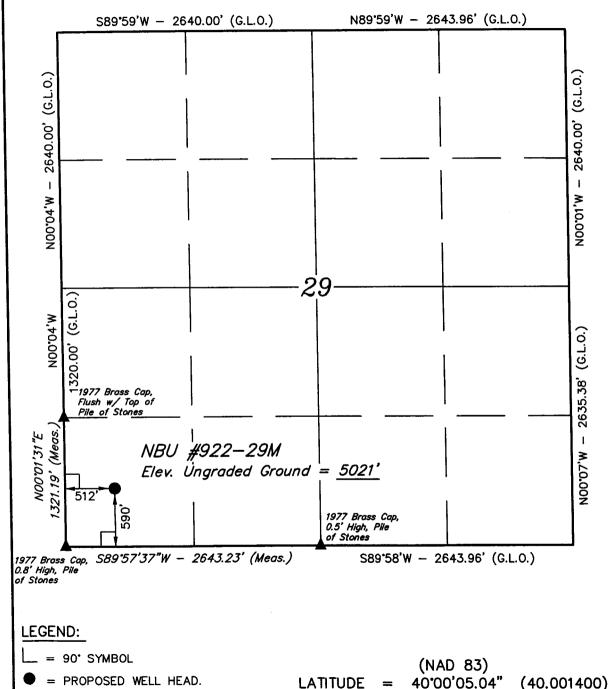
## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

•	٠,	.,

AMENDED REPORT (highlight changes)

APPLICATION FOR PERMIT TO DRILL						ML-22935	State	
1A. TYPE OF WO	rk: D	RILL 🔽 🛚 I	REENTER	DEEPEN			7. IF INDIAN, ALLOTTEE OR	TRIBE NAME:
B. TYPE OF WE	B. TYPE OF WELL: OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE MATURAL BUTTES UNIT							
	2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.						9. WELL NAME and NUMBER NBU 922-29M	₹:
	3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024					10. FIELD AND POOL, OR W		
	WELL (FOOTAGE	CITY CITY	1,20523	2x 4		-	11. QTR/QTR, SECTION, TO MERIDIAN:	
AT SURFACE:	590'FSL &	512'FWL	4 JU J Q J	819 Y	0.00137 09,47095		SWSW 29 9S	22E
AT PROPOSED	PRODUCING ZO	NE:	77 200		09, 47095			
			REST TOWN OR POS				12. COUNTY:	13. STATE: UTAH
		EAST OF O	URAY, UTAH		ACRES IN LEASE:	17. N	UINTAH UMBER OF ACRES ASSIGNED	TO THIS WELL:
512'	JALANEOTTRO	2,111 011 22 102 2	(,		200.00	)		40.00
	O NEAREST WELL R) ON THIS LEASE	(DRILLING, COMP	LETED, OR	19. PROPOSED			OND DESCRIPTION:	
REFER T	Ó TOPO C		· \	22 ADDDOVIMA	9,300		LB0005238	
5021'GL	(SHOW WHETHE	R DF, RT, GR, ETC	·. <b>)</b> :	22. APPROXIVE	TE DATE WORK WILL STAKE.	25. 2	OTHER PORTION.	
		<u> </u>						
24.	<del> </del>				ND CEMENTING PROGRAM		VIELD AND SHIPDY WEICH	т
12 1/4"	CASING SIZE,	GRADE, AND WEIG	32.3#	SETTING DEPTH 2.000	265 SX	QUANTITY	, YIELD, AND SLURRY WEIGH	1
7 7/8"	4 1/2"	1-80	11.6#	9,300	1940 SX			
1 110	4 1/2	1-00	- 11.0"	3,000		·		-
							RECEIVED	1
							APR 1 4 2004	1
						nW	OF OIL, GAS & MINI	NG
						DIV.		
25.				ATTA	CHMENTS			
VERIFY THE FO	LLOWING ARE AT	TACHED IN ACCOR	RDANCE WITH THE U	JTAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
<b>✓</b> WELL PI	_AT OR MAP PREF	PARED BY LICENSE	ED SURVEYOR OR E	NGINEER	COMPLETE DRILLING PLA	N		
			FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER					
		<del></del>				···		
NAME (PLEASE	SHEIL	_A UPCHEG	6O		TITLE REGULATO	RY AI	NALYST	
NAME (PLEASE	PRINT	1. (/	2060	ON 1	4/12/2004			
SIGNATURE	/ ful	LA CI	pu bu		DATE 4/12/2004			
(This space for St	ate use only)							••• <b>•</b>
	11	_				App	roved by the notice of	<u></u>
API NUMBER AS	SSIGNED:	3-047-39	5649	<del></del>	APPROVAL:		as and Mining	
				,	Deto:	ex-	140- HS-	
(11/2001)				(See Instruction	ons on Reverse Side)	24	mant 1	

## T9S, R22E, S.L.B.&M.



= SECTION CORNERS LOCATED.

LONGITUDE = 109'28'17.26'' (109.471461)

#### WESTPORT OIL AND GAS COMPANY, L.P.

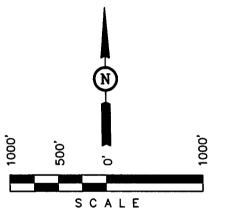
Well location, NBU #922—29M, located as shown in the SW 1/4 SW 1/4 of Section 29, T9S, R22E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

#### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT THE PROPERTY OF ACTUAL SURVEYS MADE TO THE SUPERVISION AND THAT THE SAME ARE THE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BEHET.

REGISTER D LAND SURPLY OF REGISTRATION NO. 161319
STATE OF TAB

# UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 3-10-04	DATE DRAWN: 3-11-04		
PARTY K.K. T.H. C.G.	REFERENCES G.L.O. PLAT			
WEATHER COOL		PORT OIL AND		

#### NBU #922-29M SW/SW Sec. 29,T9S,R22E UINTAH COUNTY, UTAH ML-22935

#### **ONSHORE ORDER NO. 1**

#### DRILLING PROGRAM

#### 1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1200'
Wasatch	4400'
Mesaverde	7100'
TD	9300'

#### 2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1200'
Gas	Wasatch	4400'
Gas	Mesaverde	7100'
Water	N/A	
Other Minerals	N/A	

#### 3. Pressure Control Equipment (Schematic Attached)

Please see the attached Drilling Program.

#### 4. Proposed Casing & Cementing Program:

Please see the attached Drilling Program

#### 5. <u>Drilling Fluids Program</u>:

Please see the attached Drilling Program.

#### 6. Evaluation Program:

Please see the attached Drilling Program.

#### 7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 9300' TD, approximately equals 3720 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1677 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

#### 8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

#### 9. <u>Variances:</u>

Please see the attached Drilling Program.

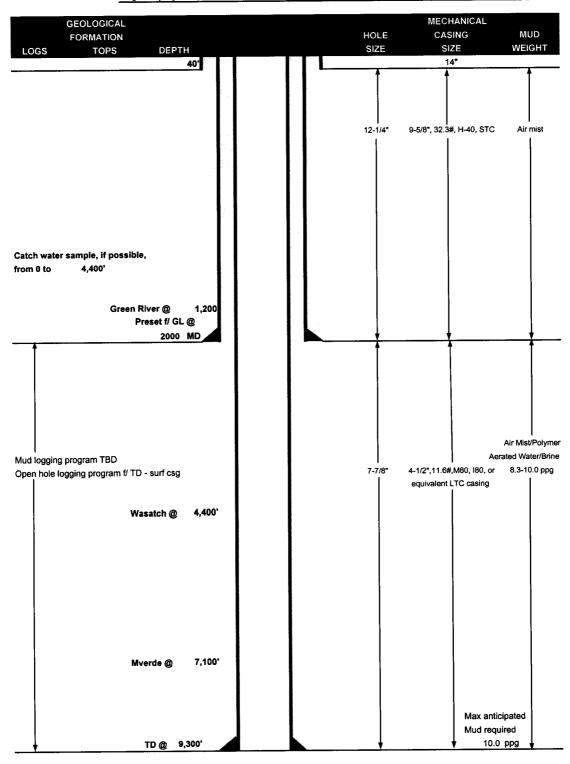
#### 10. Other Information:

Please see the attached Drilling Program.



## Westport Oil and Gas Company, L.P. DRILLING PROGRAM

COMPAN	Y NAME	Westport Oil and Gas Co.,	L.P.	DATE	April 6, 20	004		
WELL NA	AME -	NBU 922-29M		TD	9,300'	MD/TVD		
FIELD	Natural Butte	es COUNTY U	ntah STATE Uta	h	ELEVATION	5,015' GL	KE	5,030'
SURFAC	E LOCATION	590' FSL & 512' FWL, S	SWSW SEC. 29, T9S, R	22E			BHL	Straight Hole
		Lat: 40.0014	Long: 109.471461					_
OBJECT	IVE ZONE(S)	Wasatch/Mesaverde						
ADDITIO	NAL INFO	Regulatory Agencies: I	BLM, UDOGM (SURFA	CE & MIN	NERALS), Tri-C	ounty Health Dep	t.	





#### **CASING PROGRAM**

								ַ	ESIGN FACTO	DRS
	SIZE	IN	TERV	AL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"		0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to	2000	32.30	H-40	STC	0.81****** 7780	1.46 6350	4.49 201000
PRODUCTION	4-1/2"	0	to	9300	11.60	M-80 or I-80	LTC	2.79	1.31	2.13

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD =

10.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)

MASP 2790 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

#### CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to	surface, o	ption 2 will	be utilized	
Option 2 LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
		+.25 pps Flocele + 3% salt BWOC				
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	3,900'	Premium Lite II + 3% KCI + 0.25 pps	430	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	5,400'	50/50 Poz/G + 10% salt + 2% gel	1510	60%	14.30	1.31
		+.1% R-3				

<sup>\*</sup>Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

#### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.						
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.						

#### ADDITIONAL INFORMATION

	d 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & ach trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper
& lower kelly valves.	
Drop Totco surveys every 2000'. M	aximum allowable hole angle is 5 degrees.
ENGINEER:	DATE:
	d Langu

DATE:

DRILLING SUPERINTENDENT:

**DRILLING** 

Randy Bayne DHD\_NBU922-29M\_APD

<sup>\*</sup>Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

#### NBU #922-29M SW/SW Sec. 29, T9S-R22E Uintah County, UT ML-22935

#### ONSHORE ORDER NO. 1

#### MULTI-POINT SURFACE USE & OPERATIONS PLAN

#### 1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

#### 2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

#### 3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

#### 4. <u>Location of Existing & Proposed Facilities:</u>

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo D for the proposed pipeline.

#### 5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

#### 6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

#### 7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. The need for a reserve pit liner will be determined at the on-site inspection.

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

#### 8. Ancillary Facilities:

None are anticipated.

#### 9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). This section is subject to modification as a result of the on-site inspection.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

#### 10. Plans for Reclamation of the Surface:

#### Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

#### Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

#### 11. Surface Ownership:

SITLA 675 East 500 South, Suite 500 Salt Lake City, UT 84102

#### 12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and a copy of this report is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

#### 13. Lessee's or Operators's Representative & Certification:

Sheila Upchego Regulatory Analyst Westport O&G Co. L.P. P.O. Box 1148 Vernal, UT 84078 (435) 781-7024 Randy Bayne Drilling Manager Westport O&G Co. L.P. P.O. Box 1148 Vernal, UT 84078 (435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O& GCo. L.P. is considered to be the operator of the subject well. Westport O& G Co. L.P agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Westport O&G Co. L.P. State Surety Bond: RLB0005238.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Multi Cysheso 4/12/04
Sheila Upchego Date

## WESTPORT OIL AND GAS COMPANY, L.P.

## NBU #922-29M SECTION 29, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.3 MILES JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 4.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHWESTERLY, DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND EASTERLY DIRECTION NORTHERLY, THEN PROCEED IN A APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED NORTHEAST; FOLLOW ROAD FLAGS IN THE NORTHEASTERLY DIRECTION APPROXIMATELY 0.15 TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.6 MILES.

## WESTPORT OIL AND GAS COMPANY, L.P.

NBU #922-29M

LOCATED IN UINTAH COUNTY, UTAH **SECTION 29, T9S, R22E, S.L.B.&M.** 

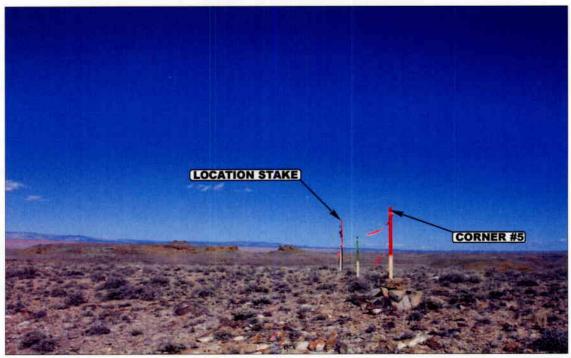


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHWESTERLY** 

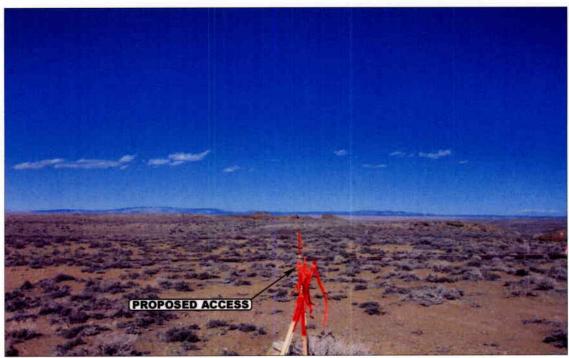


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: NORTHEASTERLY** 

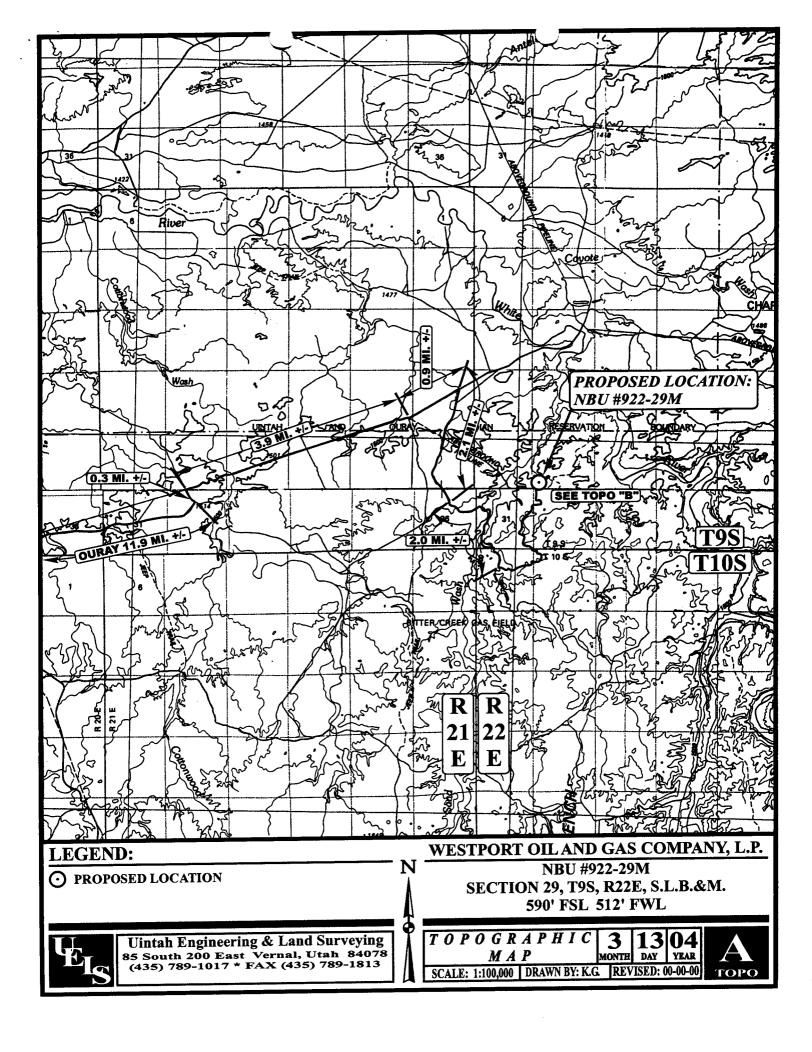


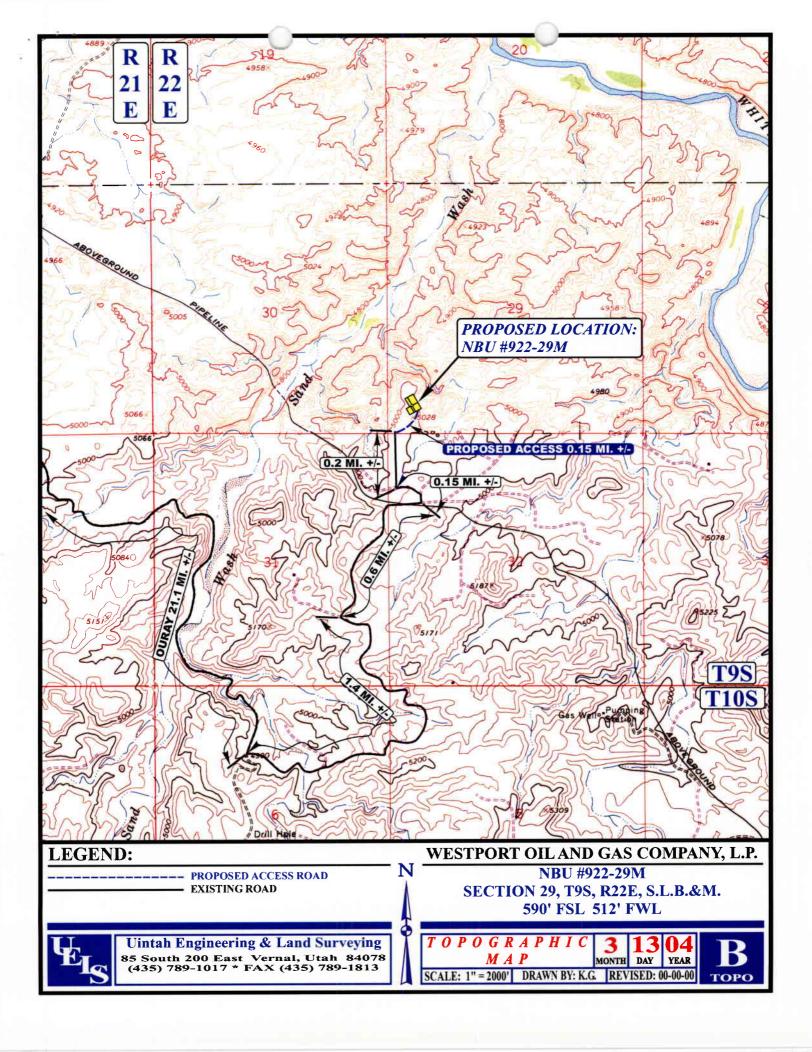
LOCATION PHOTOS

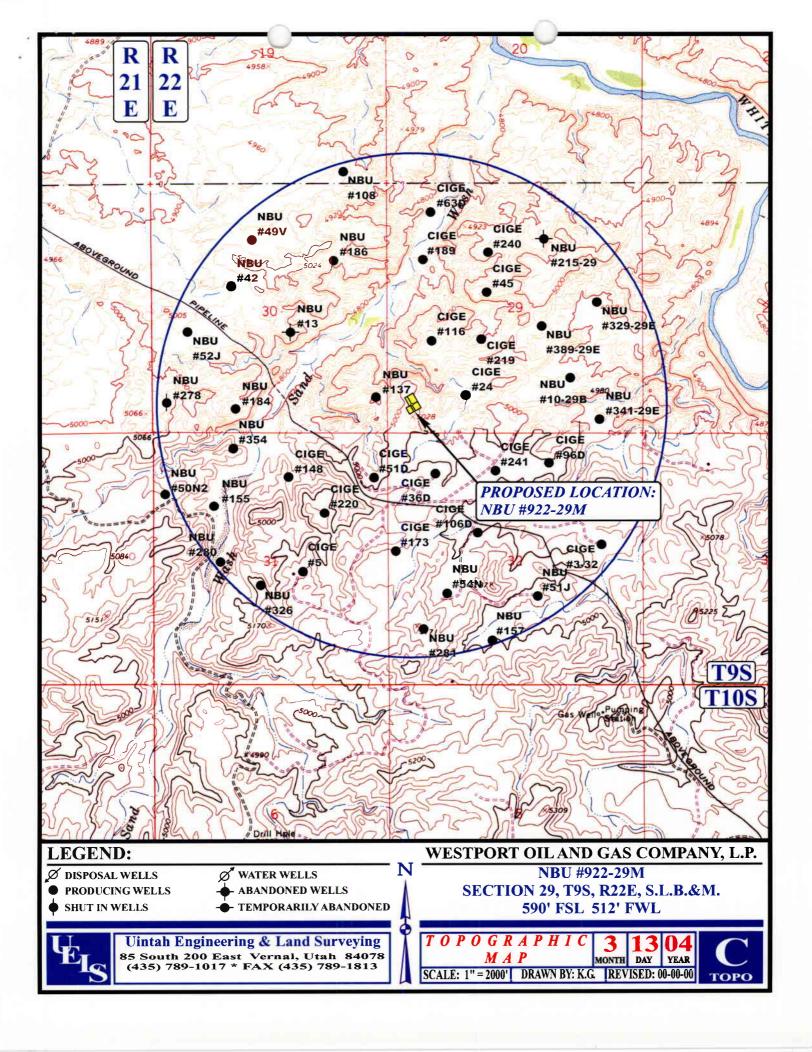
MONTH DAY YEAR

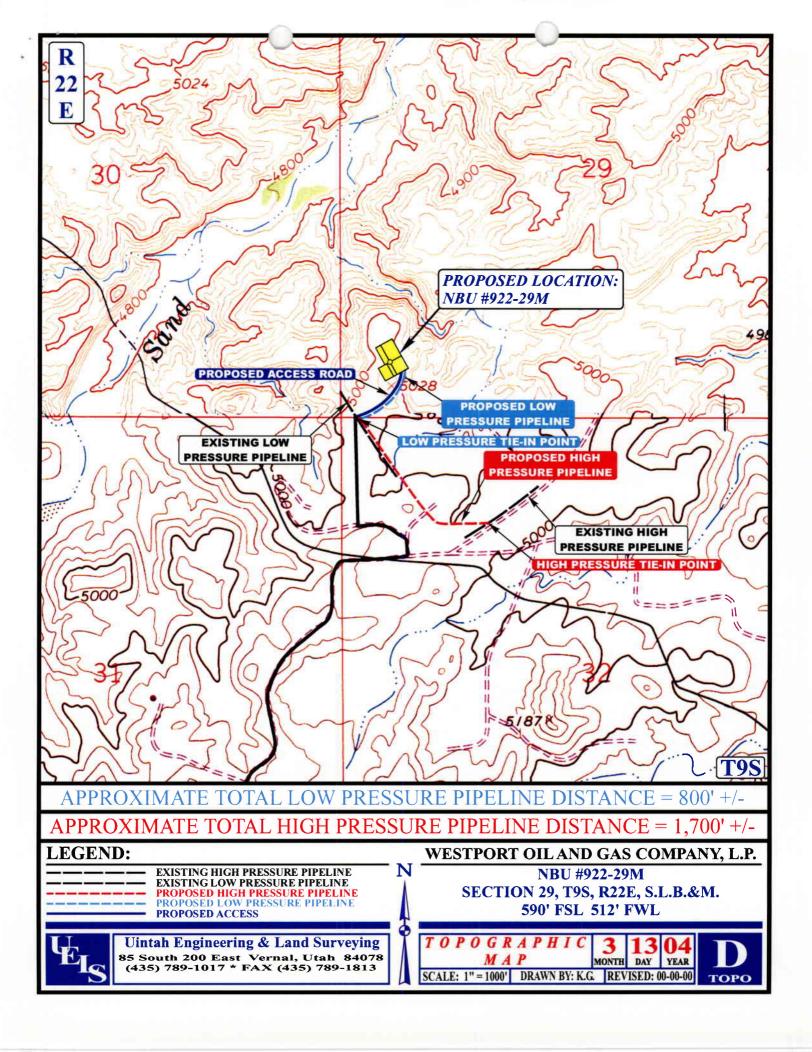
**РНОТО** 

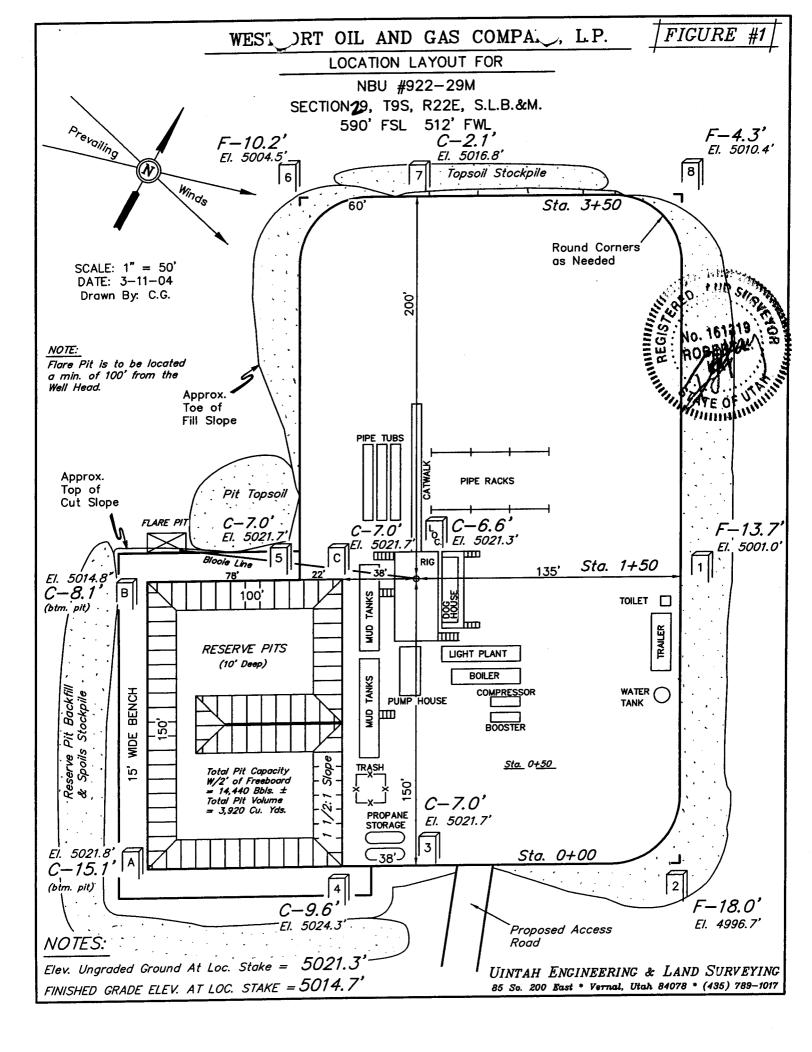
TAKEN BY: K.K. DRAWN BY: K.G REVISED: 00-00-00

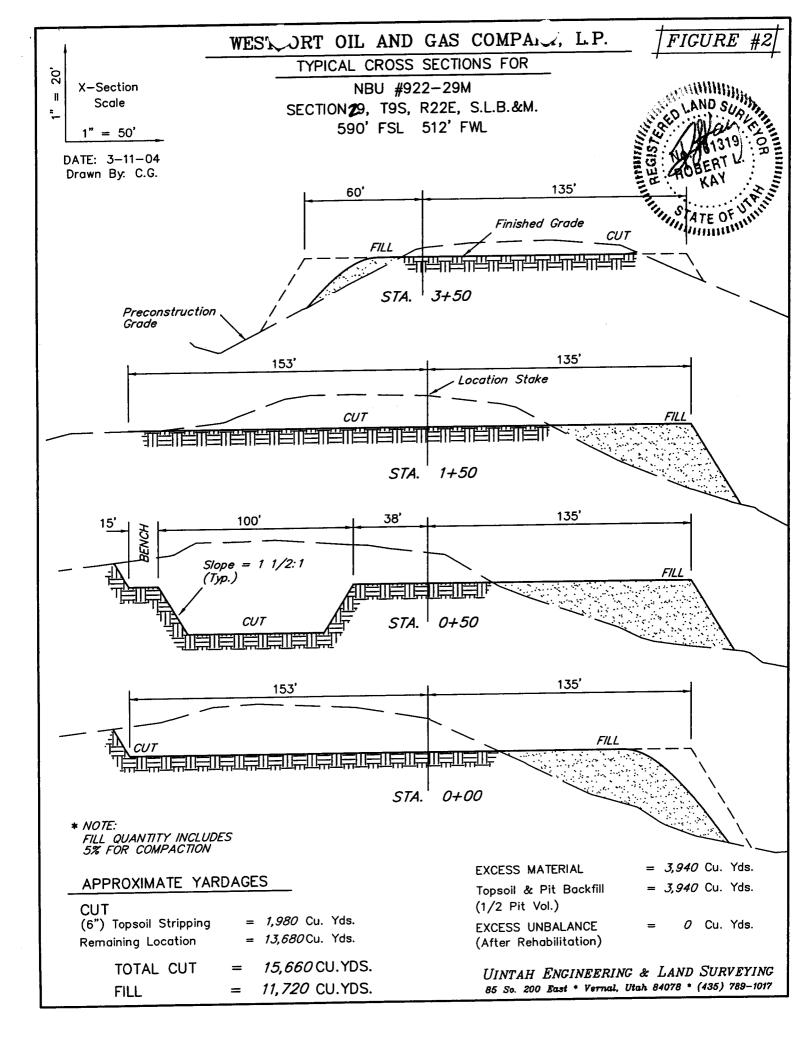




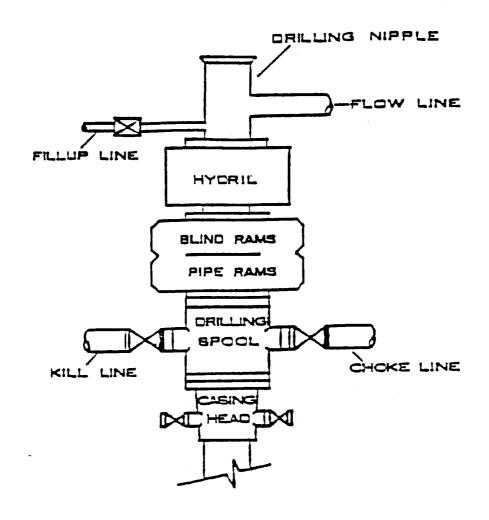


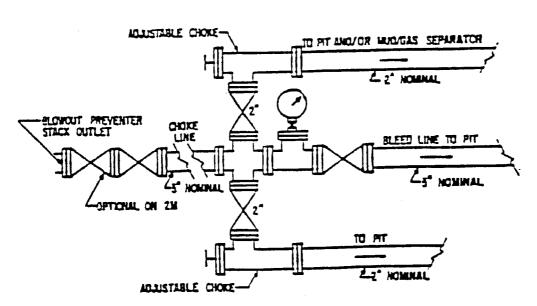






#### EOP STACK

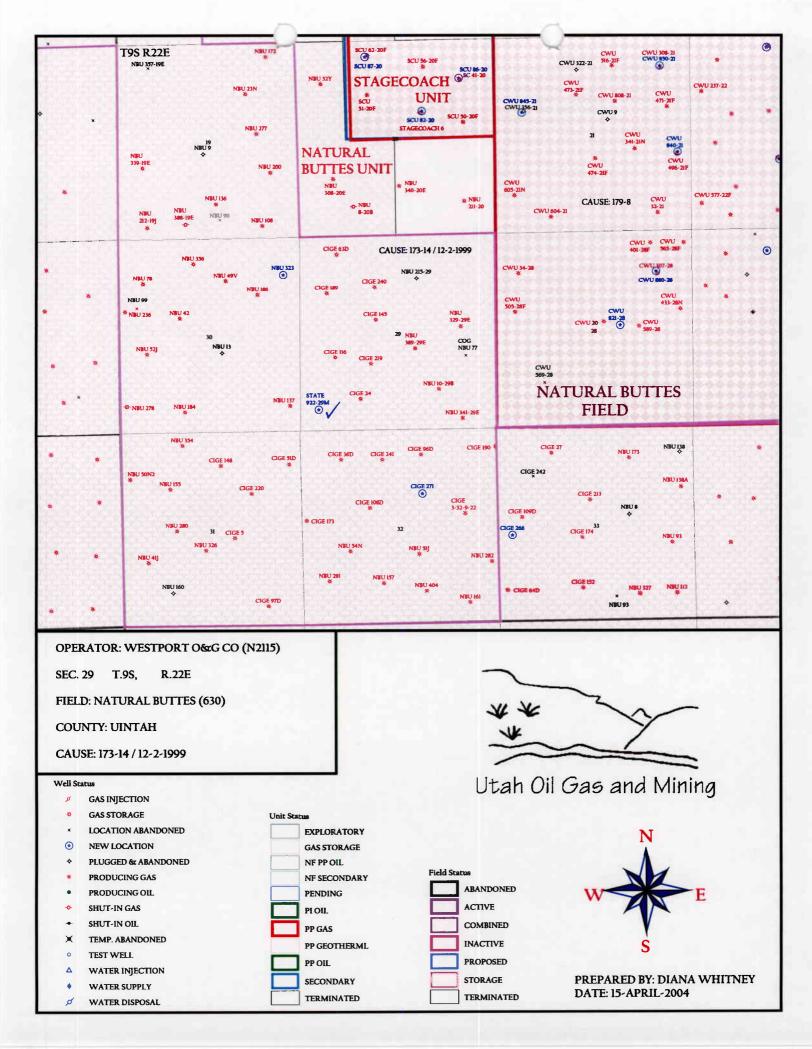




#### WORKSHEET

#### APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/14/2004	API NO. ASSIGNE	ED: 43-047-356	49
WELL NAME: STATE 922-29M  OPERATOR: WESTPORT OIL & GAS CO ( N2115 )  CONTACT: SHEILA UPCHEGO	PHONE NUMBER: 43	35-781-7024	
PROPOSED LOCATION:	INSPECT LOCATN	RV· /	/
SWSW 29 090S 220E SURFACE: 0590 FSL 0512 FWL	Tech Review	Initials	Date
BOTTOM: 0590 FSL 0512 FWL UINTAH	Engineering	DKD	5/21/04
NATURAL BUTTES ( 630 )	Geology		
LEASE TYPE: 3 - State	Surface		
PROPOSED FORMATION: MVRD  COALBED METHANE WELL? NO  RECEIVED AND/OR REVIEWED:	LATITUDE: 40.00  LONGITUDE: 109.4  LOCATION AND SITI	47095	
<pre> ✓ Plat ✓ Bond: Fed[] Ind[] Sta[3] Fee[]</pre>	R649-2-3.  Unit NATURAL BUTT  R649-3-2. G Siting: 460 F: R649-3-3. E  Drilling Uni Board Cause Eff Date: Siting: 460	General rom Qtr/Qtr & 920	4 499 Èuncemmire
STATEMENT OF			



### **United States Department of the Interior**

#### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

April 19, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2004 within the Natural Buttes Unit, Uintah County, Utah.

...

LOCATION

(Proposed PZ Mesaverde)

**WELL NAME** 

43-047-35649 NBU 922-29M Sec 29 T09S R22E 0590 FSL 0512 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit Division of Oil Gas and Mining Agr. Sec. Chron

Fluid Chron

MCoulthard:mc:4-19-04

### DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	WESTPORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER:	NBU 922-29M
API NUMBER:	43-047-35649
LOCATION: 1/4,1/4 SW/SW Sec:	29 TWP: 9S RNG: 22E 512' FWL 590' FSL
Geology/Ground Water:	
	surface casing at this location. The depth to the base of the moderately
	ated to be at a depth of 3,000'. A search of Division of Water Rights records
	0 foot radius of the proposed location. The surface formation at this site is
	rmation is made up of interbedded shales and sandstones. The sandstones
are mostly lenticular and discontinue	ous and should not be a significant source of useable ground water.
	D ( 05/05/04
Reviewer: Brad Hill	Date: 05/05/04
Surface:	
The predrill investigation of the sur	face was performed on 04/27/04. Floyd Bartlett with DWR and Ed Bonner
with SITLA were invited to this inve	stigation on 04/19/04. Both were present. Neither had concerns regarding the
	drilling of the well. This site is on State surface, with State minerals, and
appears to be the best site for a locati	on in the immediate area. Because of the underlying sandstone ledge which is
approx. 20' below the elevation of the	ne proposed location, Mr. Estes stated that he would use a 16 mil liner and felt
sub-liner in the reserve pit.	
Reviewer: David W	7. Hackford <b>Date</b> : 04/29/2004

### **Conditions of Approval/Application for Permit to Drill:**

1. A 16 mil synthetic liner and felt subliner shall be properly installed and maintained in the reserve pit.

#### ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: WESTORT OIL AND GAS COMPANY, L.P. WELL NAME & NUMBER: NBU 922-29M **API NUMBER:** 43-047-35649 LEASE: ML-22935 FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4,1/4 SW/SW Sec: 29 TWP: 9S RNG: 22E 512' FWL 590' FSL LEGAL WELL SITING: 460 Feet from unit boundary and uncommitted tracts. GPS COORD (UTM): 630537E 4428828N SURFACE OWNER: STATE OF UTAH

#### **PARTICIPANTS**

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DWR), CARROLL ESTES, CLAY EINERSON, (WESTPORT), COLBY KAY (UELS). ED BONNER (SITLA).

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS ON TOP OF A SHARP RIDGE THAT RUNS SOUTH TO NORTH. THERE ARE STEEP DRAWS TO THE EAST AND WEST THAT COME TOGETHER 500' TO THE NORTH AND ENTER SAND WASH 1000' TO THE NORTHWEST. THERE ARE NUMEROUS SANDSTONE OUTCROPPINGS TO THE EAST AND WEST WHICH ARE APPROX. 20' BELOW THE ELEVATION OF THE PROPOSED LOCATION. OURAY, UTAH IS 23.9 MILES TO THE NORTHWEST.

#### SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 350' BY 273'. ACCESS ROAD WILL BE 0.15 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD UNTIL IT LEAVES SECTION 29.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

#### WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

#### ENVIRONMENTAL PARAMETERS

AFFECTED	FLOODPLAINS	AND/OR	WETLANDS:	NONE	
----------	-------------	--------	-----------	------	--

FLORA/FAUNA: SAGE, GREASEWOOD, HORSEBRUSH, PRICKLY PEAR, SHADSCALE, SALTBRUSH: PRONGHORN, RODENTS, SONGBIRDS, RAPTORS, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: <u>VERY LITTLE NATURAL EROSION.</u>
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

#### RESERVE PIT

CHARACTERISTICS: 150' BY 100' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 16 MIL LINER WILL BE REQUIRED FOR RESERVE PIT.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: <u>SITE WAS INSPECTED BY MONTGOMERY ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.</u>

#### OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A WARM DAY WITH NO SNOW COVER.

#### **ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

<u>DAVID W. HACKFORD</u> DOGM REPRESENTATIVE 04/27/04, 2:30 PM DATE/TIME

#### Evaluation Ranking Criteria and Ranking Store For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)	0	
>200	0 5	
100 to 200	10	
75 to 100		
25 to 75	15	0
<25 or recharge area	20	0
Distance to Surf. Water (feet)	0	
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	0
< 100	20	0
Distance to Nearest Municipal		
Well (feet)	•	
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	20
		_
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of		
hazardous constituents	20	5
inductions competences		
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Sait of detrimental	10	<u>~_~</u>
Annual Precipitation (inches) <10	0	
_ ·	5	
10 to 20	10	0
>20	10	
Affected Populations	•	
<10	0	
10 to 30	6	
30 to 50	8	_
>50	10	0
Presence of Nearby Utility		
Conduits	•	
Not Present	0	
Unknown	10	•
Present	15	0

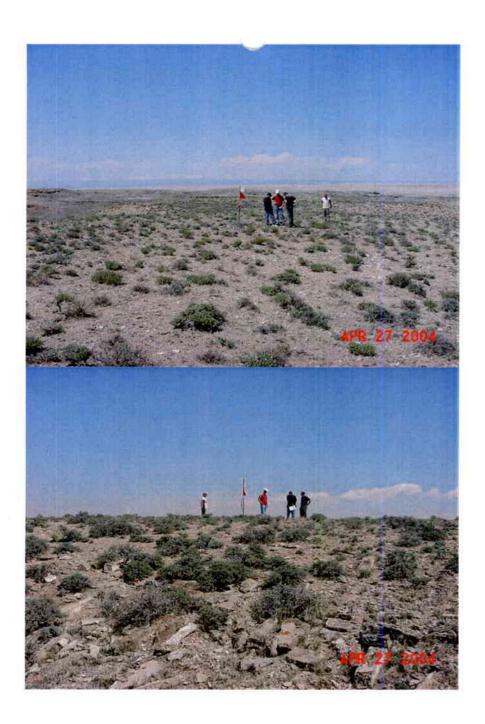
25 (Level I Sensitivity)

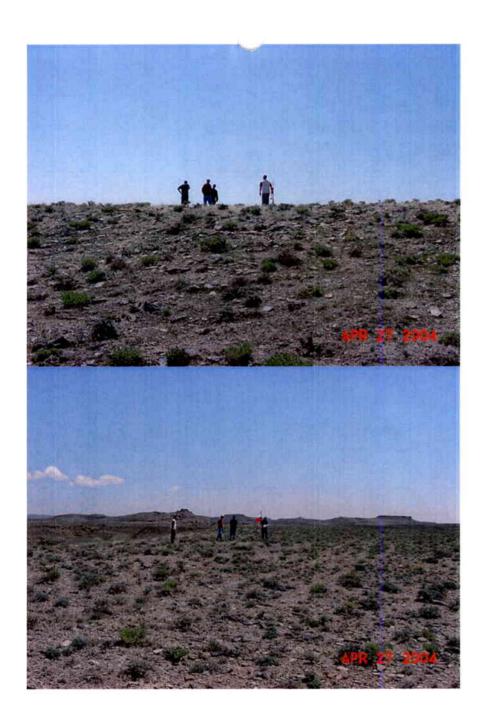
Final Score

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.





From:

**Ed Bonner** 

To:

Whitney, Diana

Date:

5/5/2004 11:26:07 AM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas Company

NBU 922-29M

Watts 923-2D

State 1022-36J

#### **Inland Production Company**

Ashley State 2-2-9-15

Ashley State 3-2-9-15

Ashley State 4-2-9-15

Ashley State 5-2-9-15

Ashless Obsta C C C AF

Ashley State 6-2-9-15

Ashley State 7-2-9-15

Ashley State 10-2-9-15

**Ashley State 11-2-9-15** 

**Ashley State 12-2-9-15** 

Ashley State 13-2-9-15

Ashley State 14-2-9-15

Ashley State 15-2-9-15

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil

05-04 Westport NBU 922-29M Well name:

Westport Oil & Gas Company Operator:

Surface Project ID: String type: 43-047-35649

**Uintah County** Location:

> Minimum design factors: **Environment:**

**Design parameters:** Collapse: H2S considered? **Collapse** 

No Design factor Surface temperature: 65 °F Mud weight: 8.400 ppg 1.125 Design is based on evacuated pipe. Bottom hole temperature:

93 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 200 ft

**Burst:** 641 ft Design factor 1.00 Cement top:

**Burst** 

Max anticipated surface

pressure: 483 psi Internal gradient: 0.468 psi/ft Non-directional string. **Tension:** 

8 Round STC: 1.80 (J) Calculated BHP 1,418 psi 1.80 (J) 8 Round LTC:

No backup mud specified. **Buttress:** 1.60 (J) Premium: 1.50 (J) Body yield: 1.50 (B) Re subsequent strings:

Next setting depth: 9,300 ft Tension is based on air weight. Next mud weight: 10.000 ppg 4.831 psi Neutral point: 1,753 ft Next setting BHP: 19.250 ppg Fracture mud wt:

Fracture depth: 2,000 ft 2,000 psi Injection pressure

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	9.625	32.30	H-40	ST&C	2000	2000	8.876	126.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	`1418	``2270	1.60	` 65 ´	254	3.93 J

Clinton Dworshak Prepared by:

Phone: 801-538-5281 Date: May 18,2004 FAX: 801-359-3940 Salt Lake City, Utah Utah Div. of Oil & Mining

Remarks:

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

05-04 Westport NBU 922-29M

Operator:

Westport Oil & Gas Company

String type:

Production

Project ID:

43-047-35649

Location:

**Uintah County** 

**Environment:** 

Design parameters:

Collapse

Mud weight:

10.000 ppg

Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor

1.125

H2S considered?

Surface temperature:

No 65 °F

Bottom hole temperature:

195 °F 1.40 °F/100ft

Temperature gradient: Minimum section length:

368 ft

Burst:

Design factor

1.00

1.60 (J)

1.50 (J)

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure:

483 psi

Internal gradient: Calculated BHP

0.468 psi/ft

4,831 psi

**Tension:** 

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J)

**Buttress:** Premium:

Body yield:

1.50 (B)

Tension is based on air weight. Neutral point: 7,910 ft Non-directional string.

Segment Length	Size	Nominal Weight	Grade	End Finish	True Vert Depth	Measured Depth	Drift Diameter	Internal Capacity
(π) 9300	(in) 4.5	(IDS/π) 11.60	M-80	LT&C	(π) 9300	(π) 9300	(I <b>n)</b> 3.875	(ft³) 215.6
Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
4831	6350	1.314	4831	7780	1.01	108	267	2.48 B
	Length (ft) 9300 Collapse Load	Length Size (ft) (in) 9300 4.5  Collapse Collapse Load Strength (psi) (psi)	Length Size Weight (ft) (in) (lbs/ft) 9300 4.5 11.60  Collapse Collapse Collapse Load Strength Design (psi) (psi) Factor	Length Size Weight Grade (ft) (in) (lbs/ft) 9300 4.5 11.60 M-80  Collapse Collapse Collapse Burst Load Strength Design Load (psi) (psi) Factor (psi)	Length (ft)Size (in)Weight (lbs/ft)Grade GradeFinish Finish93004.511.60M-80LT&CCollapseCollapseBurstBurstLoad (psi)Strength (psi)Design (psi)Load (psi)Strength (psi)	Length (ft)Size (in)Weight (lbs/ft)Grade GradeFinish FinishDepth (ft)93004.511.60M-80LT&C9300CollapseCollapseBurstBurstBurstLoad (psi)Strength (psi)Design (psi)Load (psi)Strength (psi)Design (psi)	Length (ft)Size (in)Weight (lbs/ft)Grade GradeFinish (ft)Depth (ft)Depth (ft)93004.511.60M-80LT&C93009300CollapseCollapseBurstBurstBurstTensionLoadStrengthDesignLoadStrengthDesignLoad(psi)(psi)Factor(psi)Factor(Kips)	Length (ft)Size (in)Weight (lbs/ft)Grade (marker)Finish (ft)Depth (ft)Depth (ft)Diameter (ft)93004.511.60M-80LT&C930093003.875CollapseCollapseBurstBurstBurstTensionTensionLoadStrengthDesignLoadStrengthDesignLoadStrength(psi)(psi)Factor(psi)Factor(Kips)(Kips)

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5281

FAX: 801-359-3940

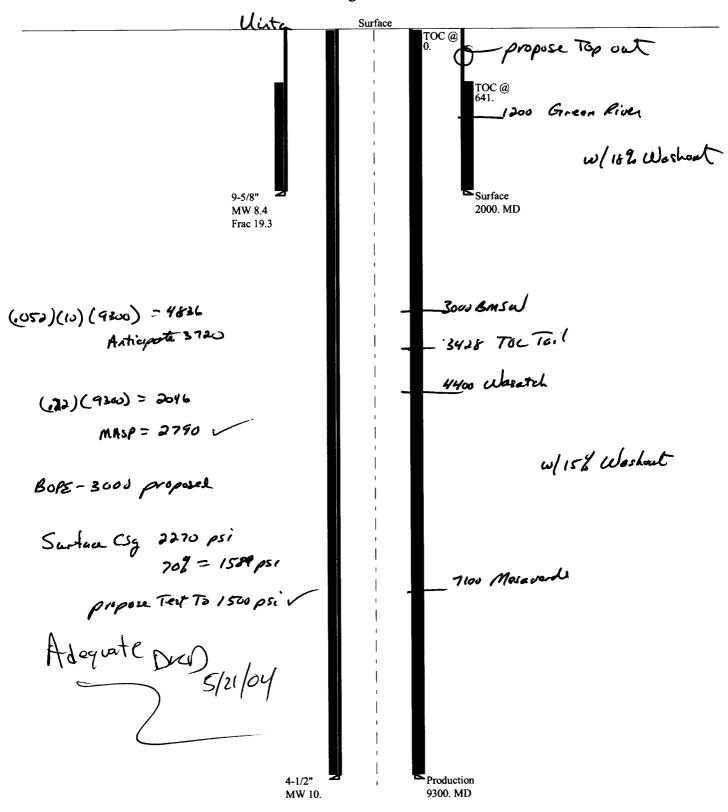
Date: May 18,2004 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9300 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

## ✓ 05-04 Westport NBU 922-2>✓ Casing Schematic





State of Utah

Department of Natural Resources

ROBERT L. MORGAN Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE

Lieutenant Governor

May 24, 2004

Westport Oil & Gas Company L.P. 1368 S 1200 E Vernal, UT 84078

Re:

Natural Buttes Unit 922-29M Well, 590' FSL, 512' FWL, SW SW, Sec. 29,

T. 9 South, R. 22 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35649.

Sincerely,

John R. Baza Associate Director

pab Enclosures

cc:

Uintah County Assessor

SITLA

Bureau of Land Management - Vernal Field Office



Operator:	Westport Oil & Gas Company L.P.		
Well Name & Number	Natural Buttes Unit 922-29M		
API Number:	43-047-35649		
Lease:	ML-22935		

#### **Conditions of Approval**

**T.** 9 South

**R.** 22 East

#### 1. General

Location: <u>SW SW</u>

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• 24 hours prior to cementing or testing casing

Sec. 29

- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 Conditions of Approval API #43-047-35649 May 24, 2004

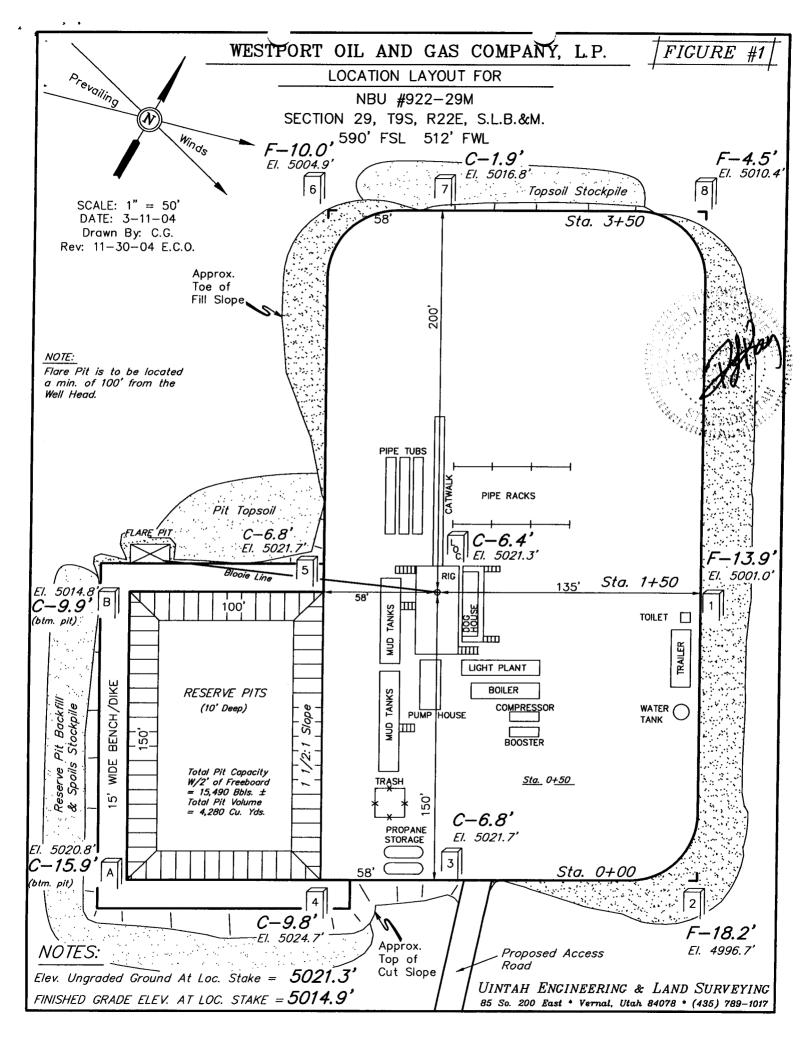
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

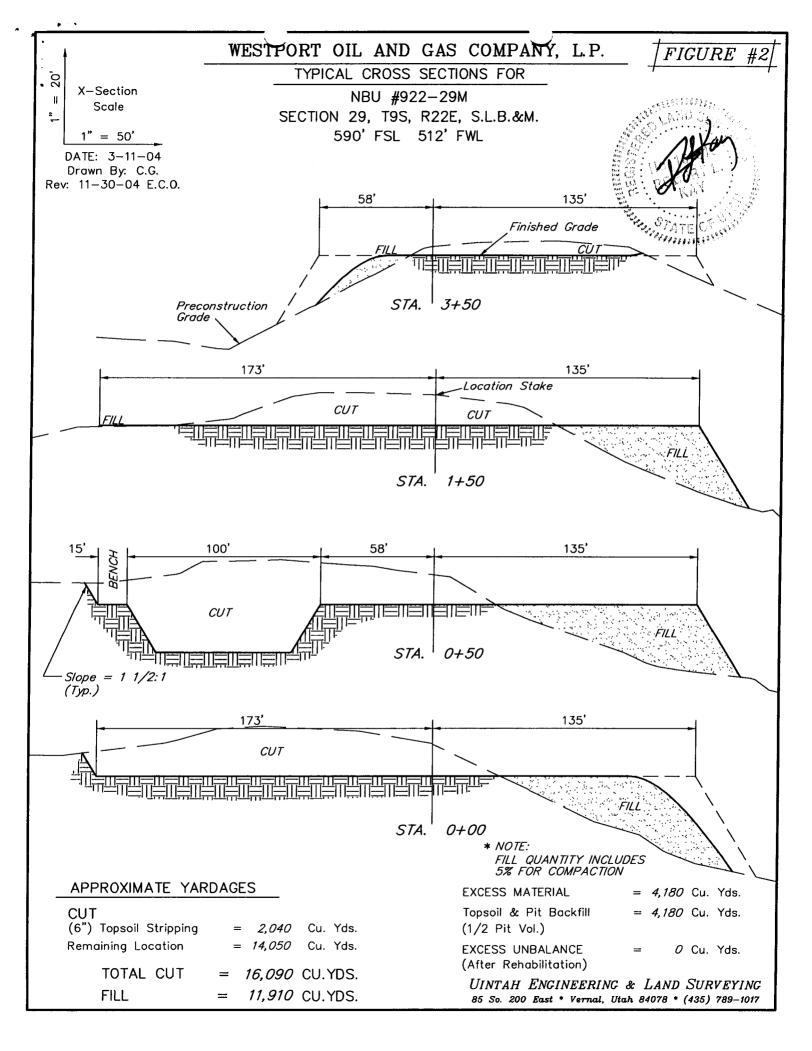
STATE OF UTAH

DEPART	MENT OF NATURAL RESOL	JRCES	
DIVIS	SION OF OIL, GAS AND MINI		6. Lease Designation and Serial Number
0 5	70,1 01 012, 0, 10 7 11 12 11 11 11 11 11 11 11 11 11 11 11		ML-22935
			7. Indian Allottee or Tribe Name
STINDBA NULI	CES AND REPORTS OF	N WELLS	N/A
	ew wells, deepen existing wells, or to reenter		8. Unit or Communitization Agreement
Use APPLI	ICATION FOR PERMIT for such proposals	i	NATURAL BUTTES
4 7			Well Name and Number
1. Type of Well  Oil  Gas			
Well X Gas Well	Other (specify)		NBU 922-29M
2. Name of Operator			10. API Well Number
WESTPORT OIL & GAS COME	PANY, L.P.		43-047-35649
3. Address of Operator		4. Telephone Number	11. Field and Pool, or Wildcat
1368 SOUTH 1200 EAST, VER	NAL, UT 84078	435-781-7044	NATURAL BUTTES
5. Location of Well			
Footage : 590' FS	SL, 512' FWL	County :	UINTAH
QQ, Sec, T., R., M : SWSW	, SECTION 29, T9S, R22E, SLI	B&M State :	UTAH
			, REPORT, OR OTHER DATA
	OF INTENT		BSEQUENT REPORT
	Duplicate)		bmit Original Form Only)
·		Abandonment	* New Construction
Abandonment	New Construction		
Casing Repair	Pull or Alter Casing	Casing Repair	<del></del>
Change of Plans	Recompletion	Change of Pla	ns Shoot or Acidize
Conversion to Injection	Shoot or Acidize	Conversion to	Injection Vent or Flare
Fracture Treat	Vent or Flare	Fracture Treat	Water Shut-Off
Multiple Completion	Water Shut-Off	Other	<del></del>
X Other LOCATION LAYO	OT CHANGE	Date of Work Completion	
		Date of Work Completion	
Approximate Date Work Will Start	-	Banart regults of Multiple	Completions and Recompletions to different reservoir
		on WELL COMPLETION	OR RECOMPLETION AND LOG form.
			nied by a cement verification report.
13 DESCRIBE PROPOSED OR COMPL	ETED OPERATIONS (Clearly state all pe	rtinent details, and give pertinent	dates. If well is directionally drilled, give subsurface
locations and measured and true vert	ical depths for all markers and zones pertir	nent to this work.)	
WESTPORT OIL & GAS COM		ANGE THE ORIGINAL	LOCATION LAYOUT TO
ACCOMMODATE FOR A LAR	GER RIG; PIONEER 38.		<b></b>
			RECEIVED
PLEASE REFER TO THE ATT.	ACHED LOCATION LAYOUT	•	1415 0 4 0005
			MAR 0 1 2005
			DIV OF OIL CAR A THURS
	19		DIV. OF OIL, GAS & MINING
	ă.		
OCITY CENT TO OPERATO	DR (		
initials: (H)	ARRANGE		
	* ************************************		
and the second of the second o	- Semental		
14. I hereby certify that the foregoin	g is true and correct.		
	ddle Calles I led	11/1	00/15/05
Name & Signature Raleen We	ddlet A V A a a l l UA	Title Associ	ciate Regulatory Date 02/16/05

OF UTAH DIVISION OF OIL, GAS, AND MINING See Instructions on Averse S

(State Use Only)





Fort 9

STATE OF UTAH

	For	T.N.9	ARTMENT OF NATURAL RESOU	DCES		
þ	0		6. Lease Designation and Serial Number ML-22935			
					7. Indian Allottee or Tribe Name	
		SUNDRY N	OTICES AND REPORTS ON	N WELLS		
	[		o drill new wells, deepen existing wells, or to reenter	plugged and abandoned wells.	8. Unit or Communitization Agreer	nent
		Use	APPLICATION FOR PERMIT for such proposals		891008900A	
	1.	Type of Well			Well Name and Number	
			das Other (specify)		NBU 922-29M	
	2.	Name of Operator			10. API Well Number	
	WI	ESTPORT OIL & GAS C	OMPANY, L.P.		43-047-35649	
	3.	Address of Operator		4. Telephone Number	11. Field and Pool, or Wildcat	
	130	68 SOUTH 1200 EAST, \	VERNAL, UTAH 84078	435-781-7060	NATURAL BUTTES	
	5.	Location of Well				
		•	0' FSL 512' FWL	•	UINTAH	
		QQ, Sec, T., R., M : SV	VSW SEC 29-T9S-R22E	State :	UTAH	
	12.	CHECK APPR	ROPRIATE BOXES TO INDICATE	NATURE OF NOTICE	E, REPORT, OR OTHER DATA	<b>A</b>
		NOTI	CE OF INTENT		BSEQUENT REPORT	
		(Subi	mit in Duplicate)	(Su	bmit Original Form Only)	
		Abandonment	New Construction	Abandonment	* New Constructio	n
		Casing Repair	Pull or Alter Casing	Casing Repair	Pull or Alter Cas	ing
		Change of Plans	Recompletion	Change of Pla	ns Shoot or Acidize	
		Conversion to Injection	Shoot or Acidize	Conversion to	Injection Vent or Flare	
		Fracture Treat	Vent or Flare	Fracture Treat	Water Shut-Off	
		Multiple Completion	Water Shut-Off	Other		
	X	Other APD EXTENS	ION			
				Date of Work Completion		
	App	proximate Date Work Will Sta	rt			
				Report results of Multiple	Completions and Recompletions to different	t reservoirs

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THE OPERATOR REQUESTS THAT THE APD BE EXTENDED FOR AN ADDITIONAL YEAR SO THAT DRILLING OPERATIONS MAY BE COMPLETED.

Approved by the Utah Division of Oil, Gas and Mining

ate: 05 782

RECEIVED APR 2 6 2005

on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature DEBRA DOMENICI Della 1) Phoesis Title ASSOC ENV ANALYST Date 04/20/05

(State Use Only)

# Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-35649  Well Name: NBU 922-29M  Location: SWSW SEC 29-T9S-R22E  Company Permit Issued to: WESTPORT OIL & GAS COMPANY, L.P.  Date Original Permit Issued: 5/24/2004	
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.	
Following is a checklist of some items related to the application, which should be verified.	
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No ☑	
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑	
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑	
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☑	
Has the approved source of water for drilling changed? Yes□No☑	
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑	
Is bonding still in place, which covers this proposed well? Yes ☑No□	-n
RECEIVI	
<u>Signature</u> <u>4/20/2005</u> APR 2 6 20	
Title: ASSOCIATE ENVIRONMENTAL ANAL'  DIV. OF OIL, GAS 8	, MINING

Representing: WESTPORT OIL & GAS COMPANY, L.P.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR	WESTPORT O&G COMPANY L.P
ADDRESS	1368 SOUTH 1200 EAST
•	VERNAL, UTAH 84078

OPERATOR	ACCT. NO	. N	2115

CODE		- · · · · · · · · · · · · · · · · · · ·	ANIANIA (DES	WELL NAME	1 .		WELL LO	CATION		SPUD	EFFECTIVE
CODE	CURRENT	NEW ENTITY NO.	API NUMBER	ALETT IANNE	QQ T	SC	TP	RG	COUNTY	DATE	DATE
	ENTITY NO.	ENTITY NO.			<del></del>						
B	99999	2900	43-047-35649	NBU 922-29M	swsw	29	98	22E	UINTAH	6/17/2005	6/29/05
ELL 1 CO	MMENTS:		mUR	D = WSMVD							
IRU PET	TE MARTIN I	BUCKET RIG									
PUD WE		N ON 6/17/05	AT 0800 HRS	WELL NAME	-		WELL LO	CATION		SPUD	EFFECTIVE
ACTION	CURRENT	NEW	API NUMBER	WELL NAME	QQ	sc	TP	RG	COUNTY	DATE	DATE
CODE	ENTITY NO.	ENTITY NO.									
ELL 2 CO	MMENTS:			,							
AOTION T	CURRENT	NEW	API NUMBER	WELL NAME			WELL LO	CATION		SPUD	EFFECTIVE
ACTION CODE	ENTITY NO.	ENTITY NO.	, , , , , , , , , , , , , , , , , , , ,		00	SC	ŢΡ	RG	COUNTY	DATE	DATE
	ZIVIII V						·				
NELL 3 CC	MMENTS:				<b>!</b>						
ACTION	CURRENT	NEW	APINUMBER	WELL NAME			WELLL	CATION		SPU0	EFFECTIVE
CODE	ENTITY NO.	ENTITY NO.	1		QQ	SC	TP	RG	COUNTY	DATE	DATE
0054											
WELL 4 CO	OMMENTS:										
407011	N COCAT	NEW	APINUMBER	WELL NAME		· · · · · · · · · · · · · · · · · · ·	WELLL	OCATION		SPUD	EFFECTIVE
ACTION CODE	CURRENT ENTITY NO.	ENTITY NO.	AFINUMBEN	VV-224 / 11 11 11	QQ	SC	TP	RG	COUNTY	DATE	DATE
CODE	ENTITIO.	<u> </u>									
l l		<u> </u>		<u> </u>		1			1		
WELL 5 C	OMMENTS:										
										- 77	
A-	CODES (See in Establish new o	structions on bac entity for new wel	l (single well anly)	Post-it <sup>a</sup> Fax Note 767	71 Date	KIA (	### 1001@	90	ignalure .	laly	rhy
ACTION C A - B - C - D -	CODES (See in Establish new e Add new well to Re-assign well Re-assign well	entity for new well existing entity (g from one existing	<b>I (single well only)</b> group or unit well) g entity to another exig g entity to a new entit	sting Ca./Dept. UTDUM	Date Promote Phone	AIA-I	peges > 1/2/1/2 1))  1/2 (1)	40 18 (1) 24		MALYST	06/24/05 Date

#### **STATE OF UTAH**

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" COND CMT W/28 SX READY MIX CMT.  SPUD WELL LOCATION ON 6/17/05 AT 0800 HRS.	TITLE	REGULATORY A	RECEIVED  JUN 2 8 2005  DIV. OF OIL, GAS & MINING
CMT W/28 SX READY MIX CMT.			RECEIVED JUN 2 8 2005
CMT W/28 SX READY MIX CMT.			RECEIVED JUN 2 8 2005
CMT W/28 SX READY MIX CMT.			RECEIVED
CMT W/28 SX READY MIX CMT.			
CMT W/28 SX READY MIX CMT.			
CMT W/28 SX READY MIX CMT.			
CMT W/28 SX READY MIX CMT.			
CMT W/28 SX READY MIX CMT.			
	UCTOR HOL	E TO 40'. RAN 14"	54# STEEL CONDUCTOR PIPE.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all p	pertinent details incl	uding dates, depths, volume	es, etc.
COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE		N OF WELL SITE E - DIFFERENT FORMATION	✓ OTHER: WELL SPUD
(Submit Original Form Only)  Date of work completion:  CHANGE WELL STATUS		I (START/RESUME)	WATER SHUT-OFF
SUBSEQUENT REPORT CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
CHANGE TO PREVIOUS PLANS  CHANGE TUBING	OPERATOR C		U TUBING REPAIR  VENT OR FLARE
Approximate date work will start: CASING REPAIR	NEW CONSTI	RUCTION	TEMPORARILY ABANDON
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  ACIDIZE  ALTER CASING	FRACTURE T	REAT	SIDETRACK TO REPAIR WELL
TYPE OF SUBMISSION	TYI DEEPEN	PE OF ACTION	REPERFORATE CURRENT FORMATION
11. CHECK APPROPRIATE BOXES TO INDICAT	E NATURE C	F NOTICE, REPOR	RT, OR OTHER DATA
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 29 9S 2	2E		STATE: UTAH
FOOTAGES AT SURFACE: 590'FSL & 512'FWL			COUNTY: UINTAH
4. LOCATION OF WELL	1		
3. ADDRESS OF OPERATOR:		HONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.			9. API NUMBER: 4304735649
1. TYPE OF WELL OIL WELL GAS WELL OTHER			NBU 922-29M
	ent bottom-hole depth, orm for such proposals.	reenter plugged wells, or to	NATURAL BUTTES UNIT  8. WELL NAME and NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below curr drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL for		s _	7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below curr	S ON WELL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDRY NOTICES AND REPORTS  Do not use this form for proposals to drill new wells, significantly deepen existing wells below curr drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL for	S ON WELL		ML-22935

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING				5. LEASE D	ESIGNATION AND SERIAL NUMBER:	
	SUNDRY	NOTICES AND REPORTS	ON WELL	_S	6. IF INDIA	N, ALLOTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill no	ew wells, significantly deepen existing wells below curr sterals. Use APPLICATION FOR PERMIT TO DRILL fo	rent bottom-hole depth orm for such proposals	n, reenter plugged wells, or to		CA AGREEMENT NAME: RAL BUTTES UNIT
1. T	YPE OF WELL OIL WELL					AME and NUMBER:
	AME OF OPERATOR:				9. API NUM	IBER:
	ESTPORT OIL & GAS C	COMPANY L.P.		PHONE NUMBER:	430473	AND POOL, OR WILDCAT:
	DDRESS OF OPERATOR: 68 S. 1200 E.	Y VERNAL STATE UT ZIP		(435) 781-7024		RAL BUTTES
	DCATION OF WELL  DOTAGES AT SURFACE: 590'FS	SL & 512'FWL			COUNTY:	UINTAH
			-a-		STATE	
Q	TR/QTR, SECTION, TOWNSHIP, RAN	ige, meridian: SWSW 29 9S 2.	2E		STATE:	UTAH
11.	CHECK APPE	ROPRIATE BOXES TO INDICAT	E NATURE C	OF NOTICE, REPO	RT, OR	OTHER DATA
	TYPE OF SUBMISSION		TY	PE OF ACTION		
$\Box$	NOTICE OF INTENT	ACIDIZE	DEEPEN		RE	PERFORATE CURRENT FORMATION
_	(Submit in Duplicate)	ALTER CASING	FRACTURE 1	TREAT	SIE	DETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR	NEW CONST	RUCTION	TE	MPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS	OPERATOR (	CHANGE	TU	BING REPAIR
		CHANGE TUBING	PLUG AND A	BANDON	VE	NT OR FLARE
$\checkmark$	SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		w	ATER DISPOSAL
	(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTIO	N (START/RESUME)	w	ATER SHUT-OFF
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATIO	ON OF WELL SITE	<b>√</b> от	HER: SET SURFACE CSG
		CONVERT WELL TYPE	RECOMPLET	TE - DIFFERENT FORMATION		
		OMPLETED OPERATIONS. Clearly show all p				
CI	MT W/230 SX CLASS G	RIG. DRILLED 12 1/4" SURFAC 6 @11.0 PPG 3.82 YIELD, TAILE 5.8 PPG 1.15 YIELD. HOLE STA	ED CMT W/20	00 SX CLASS G @	15.8 PPG	O SURFACE CSG. LEAD 3 1.15 YIELD. TOP OUT
VV	/250 SX CLASS G @ 15	).0 FFG 1.13 HELD. HOLE STA	ATED FOLL.			
W	ORT					
					A N I A I N / 2 / 2 /	-
NAM	ME (PLEASE PRINT) SHEILA U	JPCHEGO	TITLE	REGULATORY	ANALYS	<u> </u>
SIG	NATURE ///////	'n MACKEAS	DATE	6/27/2005		

(This space for State use only)

JUL 0 5 2005

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT
1. TYPE OF WELL OIL WELL GAS WELL 🗸 OTHER	8. WELL NAME and NUMBER: NBU 922-29M
2. NAME OF OPERATOR:	9. API NUMBER:
WESTPORT OIL & GAS COMPANY L.P.	4304735649
3. ADDRESS OF OPERATOR: 1368 S. 1200 E.  OUTY VERNAL  STATE UT 184078  PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 590'FSL & 512'FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 29 9S 22E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING  FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	UBING REPAIR  VENT OR FLARE
CHANGE TUBING PLUG AND ABANDON	WATER DISPOSAL
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL NAME  PLUG BACK  PROPRIETION (START/PESUME)	WATER SHUT-OFF
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE	OTHER: FINAL DRILLING
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OPERATIONS
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	nee etc
FINISHED DRILLING FROM 2530' TO 9260'. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. II @11.6 PPG 2.72 YIELD. TAILED CMT W/1140 SX 50/50 POZ @14.3 PPG 1.31 YIELD. BUMP PLUG 500 OVER FINAL CIRC PSI OF 2750 & PLUG HELD & LOST RETURNS 13 NIPPLE DOWN & SET SLIPS 110K STING WT & CUT OFF 4.5 CSG. WASH & CLEAN M RELEASED PIONEER 52 ON 10/9/05 AT 1200 HRS.	LEAD CMT W/450 SX PREM LITE DISP W/143 BBLS WATER & 0 BBLS INTO DISP.
	CCT 19 2005
SHEILA UPCHEGO TITLE REGULATORY	ANALYST
SIGNATURE MUMALIAN DATE 10/10/2005	

(This space for State use only)

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT  8. WELL NAME and NUMBER:
	NBU 922-29M 9. API NUMBER:
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.	4304735649
3. ADDRESS OF OPERATOR: 1368 S. 1200 E.  CITY VERNAL  STATE UT 21P 84078  PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 590'FSL & 512'FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 29 9S 22E	STATE: UTAH
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  ACIDIZE  DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION	REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TUBING PLUG AND ABANDON  CHANGE TUBING PLUG BACK  CHANGE WELL NAME PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	TUBING REPAIR  VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  OTHER: PRODUCTION  START-UP
THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 11/6/05 AT 10:36  PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.	
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY  DATE 11/8/2005	ANALYST

(This space for State use only)

#### WESTPORT OIL & GAS COMPANY, LP

## CHRONOLOGICAL HISTORY

#### NBU 922-29M

	SPUD	Surface Casing Air Rig	Activity	Status
04/20/05			Build Location, 5% complete	Pioneer 52
04/21/05			Build Location, 10% complete	Pioneer 52
04/22/05			Build Location, 10% complete	Pioneer 52
04/25/05			Build Location, 10% complete	Pioneer 52
04/26/05			Build Location, 30% complete	Pioneer 52
04/27/05			Build Location, 30% complete	Pioneer 52
04/28/05			Build Location, 45% complete	Pioneer 52
04/29/05			Build Location, 45% complete	Pioneer 52
05/02/05			Build Location, 65% complete	Pioneer 52
05/03/05			Build Location, 65% complete	Pioneer 52
05/04/05			Build Location, 80% complete	Pioneer 52
05/05/05			Build Location, 80% complete	Pioneer 52
05/06/05			Location Built, WOBR	Pioneer 52
05/09/05			<b>Location Built, WOBR</b>	Pioneer 52
05/10/05			Location Built, WOBR	Pioneer 52
05/11/05			Location Built, WOBR	Pioneer 52
05/12/05			Location Built, WOBR	Pioneer 52
05/13/05			Location Built, WOBR	Pioneer 52
05/16/05			Location Built, WOBR	Pioneer 52
05/17/05			Location Built, WOBR	Pioneer 52
05/18/05			Location Built, WOBR	Pioneer 52
05/19/05			Location Built, WOBR	Pioneer 52

05/20/05	Location Built, WOBR	Pioneer 52
05/23/05	Location Built, WOBR	Pioneer 52
05/24/05	Location Built, WOBR	Pioneer 52
05/25/05	Location Built, WOBR	Pioneer 52
05/26/05	Location Built, WOBR	Pioneer 52
05/27/05	Location Built, WOBR	Pioneer 52
05/31/05	Location Built, WOBR	Pioneer 52
06/01/05	Location Built, WOBR	Pioneer 52
06/02/05	Location Built, WOBR	Pioneer 52
06/03/05	Location Built, WOBR	Pioneer 52
06/06/05	Location Built, WOBR	Pioneer 52
06/07/05	Location Built, WOBR	Pioneer 52
06/08/05	Location Built, WOBR	Pioneer 52
06/09/05	Location Built, WOBR	Pioneer 52
06/10/05	Location Built, WOBR	Pioneer 52
06/13/05	Location Built, WOBR	Pioneer 52
06/14/05	Location Built, WOBR	Pioneer 52
06/15/05	Location Built, WOBR	Pioneer 52
06/16/05	Location Built, WOBR	Pioneer 52
06/17/05	Location Built, WOBR	Pioneer 52
06/20/05	Location Built, WOBR	Pioneer 52
06/21/05	Location Built, WOBR	Pioneer 52
06/22/05	Location Built, WOBR	Pioneer 52
06/23/05	Location Built, WOBR	Pioneer 52
06/24/05	Location Built, WOBR	Pioneer 52
06/27/05	Location Built, WOBR	Pioneer 52
06/28/05	Location Built, WOBR	Pioneer 52

06/29/05			Location Built, WOBR	Pioneer 52
06/30/05			Location Built, WOBR	Pioneer 52
07/01/05			Location Built, WOBR	Pioneer 52
07/04/05	6/30/05	9 5/8" @ 2092'	Drill to 2140'. Set surf csg	Pioneer 52
07/05/05	6/30/05	9 5/8" @ 2092'	Drill to 2140'. Set surf csg	Pioneer 52
07/06/05	6/30/05	9 5/8" @ 2092'	Drill to 2140'. Set surf csg	Pioneer 52
07/07/05	6/30/05	9 5/8" @ 2092'	WC	ORT Pioneer 52
07/08/05	6/30/05	9 5/8" @ 2092'	WC	ORT Pioneer 52
07/11/05	6/30/05	9 5/8" @ 2092'	WO	ORT Pioneer 52
07/12/05	6/30/05	9 5/8" @ 2092'	WC	ORT Pioneer 52
07/13/05	6/30/05	9 5/8" @ 2092'	WO	ORT Pioneer 52
07/14/05	6/30/05	9 5/8" @ 2092'	WO	ORT Pioneer 52
07/15/05	6/30/05	9 5/8" @ 2092'	WO	ORT Pioneer 52
07/18/05	6/30/05	9 5/8" @ 2092'	WO	ORT Pioneer 52
07/19/05	6/30/05	9 5/8" @ 2092'	WO	ORT Pioneer 52
07/20/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
07/21/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
07/22/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
07/25/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
07/26/05	6/30/05	9 5/8" @ 2092'	wor	TPioneer 52
07/27/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
07/28/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
07/29/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
08/01/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
08/02/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
08/03/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
08/04/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52
08/05/05	6/30/05	9 5/8" @ 2092'	WOR	TPioneer 52

08/08/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/09/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/10/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/11/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/12/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/15/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/16/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/17/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/18/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/19/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/22/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/23/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/24/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/25/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/26/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/29/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/30/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
08/31/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/01/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/02/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/06/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/07/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/08/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/09/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/12/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/13/05	6/30/05	9 5/8" @ 2092'		WORTPioneer 52
09/19/05	•	5/8" @ 2093' MW: 8.4 ig on repair. Change out derrick.	SD: 9/X/05	DSS: 0

.

- 09/20/05 TD: 2140' Csg. 9 5/8" @ 2093' MW: 8.4 SD: 9/X/05 DSS: 0 Rig is 100% moved. Rig on repair. Change out derrick.
- 09/21/05 TD: 2140' Csg. 9 5/8" @ 2093' MW: 8.4 SD: 9/X/05 DSS: 0
  Rig on repair. Work on derrick and sub. Pin and raise derrick. Rig up front of rig. NU
  BOPE @ report time.
- 09/22/05 TD: 2140' Csg. 9 5/8" @ 2093' MW: 8.4 SD: 9/X/05 DSS: 0 NU and Test BOPE. Modify rig floor for Kelly Shuck @ report time.
- 09/23/05 TD: 2140' Csg. 9 5/8" @ 2093' MW: 8.4 SD: 9/23/05 DSS: 0

  Modify rig floor for Kelly Shuck. Install Wear Bushing in well head. RIH with 7 7/8" PDC bit and Mud Motor. Drill cement and FE. Rotary spud @ 0030 hrs 9/23/05. Drill from 2140'-2206'. DA @ report time.
- 09/26/05 TD: 2557' Csg. 9 5/8" @ 2093' MW: 8.4 SD: 9/23/05 DSS: 4
  Drill from 2206'-2222'. POOH and check bit. Junk in hole. RIH with bit and junk basket.
  Drill on junk. POOH and run Magnet. RIH with bit, MM and junk basket. Drill on junk.
  POOH for Mill. Mill on junk. Trip for bit and junk basket. Clean up junk and drill from 2223'-2378'. TF PDC bit and MM. Drill from 2378'-2557'. DA @ report time.
- 09/27/05 TD: 3915' Csg. 9 5/8" @ 2093' MW: 9.1 SD: 9/23/05 DSS: 5
  Drill from 2557'-3346'. Work tight hole and start light mud up. Drill to 3915'. DA @ report time.
- 09/28/05 TD: 5024' Csg. 9 5/8" @ 2093' MW: 9.1 SD: 9/23/05 DSS: 6
  Drill and survey from 3346'-5024'. DA @ report time.
- 09/29/05 TD: 5975' Csg. 9 5/8" @ 2093' MW: 9.5 SD: 9/23/05 DSS: 7
  Drill from 5024'-5050'. Raise mud weight to control shale. Lost 100 bbls mud to hole seepage. Drill to 5670'. Lost full returns. Pump LCM sweeps. Circulate and condition mud. Drill to 5975'. DA @ report time.
- 09/30/05 TD: 5975' Csg. 9 5/8" @ 2093' MW: 9.9 SD: 9/23/05 DSS: 8 Drill f/ 5975'-6650'. Drilling w/ 20% LCM. DA @ report time.
- 10/03/05 TD: 7620' Csg. 9 5/8" @ 2093' MW: 10.1 SD: 9/23/05 DSS: 11
  Drill from 6650'-7487'. TFNB and MM. TIH to 4532'. Work stuck pipe. Ream tight hole from 4532'-4519'. Tag bridge @ 4642'. Ream to 4642'. TIH to 4737'. CCH. RIH to bottom. Drill from 7487'-7620'. DA @ report time.
- 10/04/05 TD: 8526' Csg. 9 5/8" @ 2093' MW: 10.6 SD: 9/23/05 DSS: 12 Drill from 7620'-8526'. DA @ report time.
- 10/05/05 TD: 8768' Csg. 9 5/8" @ 2093' MW: 10.6 SD: 9/23/05 DSS: 12 Drill from 8526'-8768'. POOH for new bit @ report time.
- 10/06/05 TD: 9073' Csg. 9 5/8" @ 2093' MW: 11.9 SD: 9/23/05 DSS: 14 Finish TFNB. Drill from 8768'-9073'. DA @ report time.
- 10/07/05 TD: 9260' Csg. 9 5/8" @ 2093' MW: 11.9 SD: 9/23/05 DSS: 15 Drill from 9073'-9200'. Lost full returns. Mix and pump LCM pills. Lost 425 bbls total. Regain full returns. Drill to 9260' TD. CCH. Short trip @ report time.

Csg. 9 5/8" @ 2093' **DSS: 18** TD: 9260' MW: 11.9 SD: 9/23/05 10/10/05 Short trip for logs. POOH and run Triple Combo. TIH and CCH for casing. POOH and lay down drill string. Run and cement 4 1/2" Production Casing. ND BOPE and set slips. Release rig @ 1200 hrs 10/9/05. RDRT @ report time. Will move to NBU 922-33J this am

PROG: 12:30 PM ROAD RIG & EQUIP F/NBU 921-29K TO LOC. MIRU. NDWH, NUBOPE. 10/27/05 PREP & TALLY 2-3/8" J-55 8RD TBG. PU 3-7/8" BIT, BIT SUB & RIH W/144 JTS PU TBG OFF TRAILER. EOT @ 4500'. SWI. SDFN.

PROG: 7:00 AM HELD SAFETY MEETING. CONT TO RIH W/TBG F/4500' PU TBG OFF 10/28/05 TRAILER TO 7800'. X-O POOH STAND BACK 246 JTS IN DERRIK. LD BIT & BIT SUB. NDBOP. NU FRAC VALVES. MIRU B&C QUICK TST. PSI TST FRAC VLVS & CSG TO 7500# (HELD). RDMO QUICK TST. PREP TO FRAC MONDAY AM SWI. SDFWE.

PROG: ON STAND BY, SCHLUMBERGER HELD UP ON ANOTHER PRODUCERS 10/31/05 LOCATION.

PROG: 7:00 AM HELD SAFETY MEETING.

ALL PERF GUNS ARE 3-3/8" EXP. LOADED W/23 GM CHARGES. 4 SPF, 90 DEG PHASING. ALL STAGES INCLUDE ONDEO DVE SCALE INHIB AS PER DESIGN.

> MIRU CUTTERS. PU 3-3/8" PERF GUNS & RIH. SHOOT 12 HOLES F/9040'-43', PU SHOOT 20 HOLES F/8896'-8901', PU SHOOT 16 HOLES F/8782'-86', POOH. MIRU SCHLUMBERGER PMP SVC. 8:00 AM MAKE REPAIRS ON PCM. (BLOWN HYD. HOSE). 9:30 AM PSI TST LINES TO 8500# (HELD). PMP PRE PAD W/NALCO SCALE CHEM. PMP BROKE DN. MAKE REPAIRS. BEGIN TO FRAC @ 10:06 AM BRK DN PERF'S @ 3467#, EST INJ RT @ 38.9 BPM @ 4671#, ISIP: 2650#, FG: .73, FRAC STG 1 W/94500# SD W/YF122ST+GEL. SCREENED OUT W/87000# SD IN FORMATION. SD LET PSI FALL TO 5700# BEGIN FLWBACK, FORCE CLOSE ZONE, FLW WL BACK FOR 50 MIN. UNTIL CLEAN. SWI. PMP FLUSH W/300 GALS ACID. ALL NALCO SCALE INHIB IN FLUSH. SD ISIP: 2900#.

> STAGE 2: PU 4-1/2" BAKER 10K CBP & 3-3/8" PERF GUNS & RIH. SET CBP @ 8568', PU SHOOT 20 HOLES F/8533'-38', PU SHOOT 4 HOLES F/8416'-17'. POOH. BRK DN PERF'S @ 6115#, EST INJ RT @ 46.5 BPM @ 4927#, ISIP: 2408#, FG: .72, FRAC STG 2 W/250,000# 20/40 SD W/YF120ST+, TOT CL FL 1915 BBLS, ISIP: 2770#, NPI: 362#, FG: .76

> STAGE 3: PU 4-1/2" BAKER 5K CBP & 3-3/8" PERF GUNS & RIH. SET CBP @ 8115', PU SHOOT 16 HOLES F/8081'-85', PU SHOOT 8 HOLES F/7572'-74'. POOH. BRK DN PERF'S @ 3187#, EST INJ RT @ 30.4 BPM @ 4376#, ISIP: 1900#, FG: .68, FRAC STG 3 W/79000# SD W/YF120ST+, TOT CL FL. 683 BBLS, ISIP: 2657#, NPI: 757#, FG: .77.

STAGE 4: PU 4-1/2" BAKER 5K CBP & 3-3/8" PERF GUNS & RIH. SET CBP @ 7438', PU SHOOT 12 HOLES F/7405'-08', PU SHOOT 8 HOLES F/7246'-48', PU SHOOT 16 HOLES F/7195' - 99', POOH. BRK DN PERF'S @ 3458#, EST INJ RT @ 30.8 BPM @ 3450#, ISIP: 1400#, FG: .63, FRAC STG 4 W/308,000# SD W/YF120ST+, TOT CL FL 2230 BBLS. ISIP: 2734#, NPI: 1334#, FG: .81

PU 4-1/2" BAKER 5K CBP & RIH. SET KILL PLUG @ 7090'. POOH. RDMO CUTTERS. SWI. SDFN.

PROG: 7:00 AM HELD SAFETY MEETING. ND FRAC VALVES. NUBOP. PU 3-7/8" BIT. POBS & RIH W/TBG. TAG FILL @ 7075', (15' FILL). RU DRL EQUIP. RU PMP & LINES. BRK CONV CIRC & BEG TO DRL. C/O TO KILL PLUG @ 7090'.

11/01/05

11/02/05

DRL UP KILL PLUG IN 14 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 7413', (25' FILL). C/O TO 2ND CBP @ 7438'.

DRL UP 2ND CBP IN 10 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 8085', (30' FILL). C/O TO 3RD CBP @ 8115'.

DRL UP 3RD CBP IN 10 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 8533', (35' FILL). C/O TO 4TH CBP @ 8568'.

DRL UP 4TH CBP IN 13 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 9091', (73' FILL). C/O TO PBTD @ 9164'.

CIRC WL CLEAN. POOH. LD 39 JTS ON TRAILER. LUBRICATE HANGER INTO WL. LAND TBG W/EOT @ 7974'. NDBOP. DROP BALL. NUWH. RU PMP & LINES. PMP OFF THE BIT SUB @ 2200#. RU FLW BACK EQUIP. TURN OVER TO FLWBACK CREW @ 3:00 PM RD, RACK OUT. ROAD RIG & EQUIP TO NBU 1022-60. SICP: 1500#, FTP: 50#, OPEN CHK.

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1400#, TP: 1550#, 20/64 CHK, 40 BWPH, 16 HRS, SD: LIGHT, TTL BBLS FLWD: 702, TODAYS LTR: 4962 BBLS, LOAD REC TODAY: 702 BBLS, REMAINING LTR: 4260 BBLS, TOTAL LOAD REC TO DATE: 702 BBLS.

11/03/05 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2100#, TP: 1525#, 20/64 CHK, 25 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 677, TODAYS LTR: 4260 BBLS, LOAD REC TODAY: 677 BBLS, REMAINING LTR: 3583 BBLS, TOTAL LOAD REC TO DATE: 1379 BBLS.

11/04/05 PROG: 11/05/05: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 2075#, TP: 1500#, 20/64 CHK, 16 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 481, TODAYS LTR: 3583 BBLS, LOAD REC TODAY: 481 BBLS, REMAINING LTR: 3102 BBLS, TOTAL LOAD REC TO DATE: 1860 BBLS.

11/06/05: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1950#, TP: 1450#, 20/64 CHK, 10 BWPH, 24 HRS, SD: CLEAN, TTL BBLS FLWD: 282, TODAYS LTR: 3102 BBLS, LOAD REC TODAY: 282 BBLS, REMAINING LTR: 2820 BBLS, TOTAL LOAD REC TO DATE: 2142 BBLS.

11/07/05 ON SALES 11/06/05: 1180 MCF, 0 BC, 160 BW, TP: 1637#, CP: 1928#, 15/64 CHK, 18 HRS, LP: 81#.

		Г	DEPAR		ATE C			URCES	3				ENDED			FORM 8
					F OIL,				_				EASE DES		N AND S	ERIAL NUMBER:
WELI	COM	IPLET	ION	OR F	RECO	MPL	ETIO	N RE	EPOR	TANE	LOG	6. 11	FINDIAN,	ALLOTTE	E OR TR	BE NAME
1a. TYPE OF WELL:			LL		GAS WELL Z		DRY [		ОТН				INIT or CA			S UNIT
b. TYPE OF WORK NEW WELL.	: HORIZ. LATS.	] DE	EP-		RE- ENTRY		DIFF. RESVR.		ОТНЕ	R			VELL NAM NBU 9			
2. NAME OF OPERA		& GAS	COMF	PANY	L.P.								PI NUMBE 43047		)	
3. ADDRESS OF OP			ту <b>VE</b> I	RNAI		STATE	UT	zie 840	078		NUMBER: 5) 781-702		IELD AND			
4. LOCATION OF WI	ELL (FOOT	AGES)	·				<del>7 - 2 - 1</del> - 1				•		OTR/OTR MERIDIAN		N, TOWN	SHIP, RANGE,
AT TOP PRODUC		RVAL REPÓR	RTED BEL	.OW:									COUNTY		<u> </u>	13. STATE UTAH
AT TOTAL DEPTI			D REACI	HED:	16. DATE	COMPL	ETED:				<del></del>		JINTA		(DF, RKE	3, RT, GL):
6/17/2005		10/7/2	005		11/6	5/2005	5	<i>,</i>	ABANDONE		READY TO PROD			21'Gl		
18. TOTAL DEPTH:	<sup>MD</sup> 9,	260	1	9. PLUG	BACK T.D	.: MD TVD	9,215		20. IF N	MULTIPLE CO	OMPLETIONS, HO	W MANY? *	PL	UG SET:	JE MU	
22. TYPE ELECTRIC		ER MECHAN	ICAL LOC	SS RUN (	Submit cop	y of each	)			WAS DST	L CORED? RUN? NAL SURVEY?	NO	Ž,	YES	(Sub	mit analysis) mit report) mit copy)
24. CASING AND LI	NER RECO	RD (Report a	all strings	set in w	ell)				,				-			<del></del>
HOLE SIZE	SIZE/GF	RADE	WEIGHT	(#/ft.)	TOP (	MD)	вотто	M (MD)		EMENTER PTH	CEMENT TYPE NO. OF SACKS		IRRY IE (BBL)	CEMEN	NT TOP *	* AMOUNT PULLED
20"	14"	STL	54				4				28					
12 1/4"	9 5/8	H-40 I-80	32.3					30 260			680 1590	-				
7 7/8"	4 1/2	1-00	11.0	J#F			3,2				1000					
											<u> </u>					
25. TUBING RECOR	RD									<b>—</b>						
2 3/8"		974	PACK	ER SET (	MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)	SIZE		EPTH SE	T (MD)	PACKER SET (MD)
26. PRODUCING IN		WSM	1/10		L		1			27. PERFO	RATION RECORD	- <del></del>				
FORMATION	NAME	TOP	(MD)	вотто	OM (MD)	TOP	(TVD)	вотто	M (TVD)	INTERVA	L (Top/Bot - MD)	SIZE	NO. HO	ES .	PERFO	RATION STATUS
(A) MESAVEI	RDE	7,1	95	9,	043					7,195	9,043	0.35	132	2 Op	en 🔽	Squeezed
(B)											<del></del>			Ор	en 🔲	Squeezed
(C)													<u> </u>	Ор	en 🔲	Squeezed
(D)														Ор	en 🗌	Squeezed
28. ACID, FRACTU	RE, TREATM	MENT, CEME	NT SQUE	EEZE, ET	c.											
DEPTH	INTERVAL		T .						AM	T DNA TNUC	YPE OF MATERIA	AL.				
7195'-9043'			PMF	6062	2 BBLS	YF1	20ST 8	<u>3</u> 727,	560# 2	20/40 SE	)					
															-000	
													DE	, Ub	2005	
29. ENCLOSED AT	TACHMENT	S:													30. WE	LL STATUS:
		HANICAL LO		CEMEN <sup>-</sup>	T VERIFICA	ATION	=	GEOLOG CORE AN	IC REPOR		DST REPORT	DIRE	CTIONAL	SURVEY		PROD

(CONTINUED ON BACK)

21	INITIAL	PRODUCTION

#### INTERVAL A (As shown in item #26)

						•				7
DATE FIRST PR	ATE FIRST PRODUCED: TEST DATE: HOURS TESTED:		<b>)</b> :		OIL - BBL:	GAS - MCF:	WATER BBL:	PROD. METHOD:		
11/6/2005	5	11/7/200	5	24 F		RATES: →	0	2,019	160	FLOWING
сноке size: 15/64	TBG. PRESS. 1,592	CSG. PRESS. 1,878	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF: 2,019	WATER – BBL: 160	PROD
		. •		INT	ERVAL B (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED	<b>)</b> :	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
				INT	ERVAL C (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED	):	TEST PRODUCTION RATES: →	OIL – BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER BBL:	INTERVAL STATUS
	<u> </u>	<u> </u>		INT	ERVAL D (As sho	wn in item #26)				
DATÉ FIRST PR	ODUCED:	TEST DATE:	***	HOURS TESTED	):	TEST PRODUCTION RATES: →	OIL - BBL:	GAS – MCF;	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS MCF:	WATER - BBL:	INTERVAL STATUS

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

tested, cushion used, time to	ool open, flowing a	and shut-in pressures an	d recoveries.		
Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,658 7,135	7,135			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I	hereby certify that the foregoing and atta	ched information is	s complete and correct as	s determined from all available re	cords.
-------	--	---------------------	---------------------------	------------------------------------	--------

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval

TIF REGULATORY ANALYST

34. FORMATION (Log) MARKERS:

DATE 12/1/2005

This report must be submitted within 30 days of

- · completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\*ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

ROUTING
1. DJJ
2. CDW

# X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has	changed, effective:			1/6/2006		
FROM: (Old Operator):		TO: (New O	perator):			
N2115-Westport Oil & Gas Co., LP		N2995-Kerr-M	-	k Gas Onshore	e, LP	
1368 South 1200 East	4 (1)		South 1200		-	
Vernal, UT 84078		Vernal	l, UT 84078	3		
Phone: 1-(435) 781-7024		Phone: 1-(435)	781-7024			
CA	No.	Unit:	N	ATURAL BU	UTTES	UNIT
WELL NAME	SEC TWN RNO	GAPI NO	ENTITY NO	1	WELL TYPE	WELL STATUS
OPERATOR CHANGES DOCUME	ENTATION					
Enter date after each listed item is complete						
1. (R649-8-10) Sundry or legal documentation		e FORMER ope	erator on:	5/10/2006		
2. (R649-8-10) Sundry or legal documentation	on was received from th	e NEW operator	on:	5/10/2006		
3. The new company was checked on the De	partment of Commerc	e, Division of C	orporation	s Database of	n:	3/7/2006
4a. Is the new operator registered in the State	e of Utah: YES	Business Numl	ber:	1355743-0181	i	
4b. If NO, the operator was contacted contact	eted on:	_				
5a. (R649-9-2)Waste Management Plan has be	een received on:	IN PLACE				
5b. Inspections of LA PA state/fee well sites of		n/a	3 LA well	s & all PA we	ells tran	sferred
5c. Reports current for Production/Disposition	n & Sundries on:	ok	-			
6. Federal and Indian Lease Wells	: The BLM and or the	BIA has appro	oved the r	nerger, nam	e chan	ge,
or operator change for all wells listed on I	ederal or Indian leases	on:	BLM	3/27/2006	BIA	not yet
7. Federal and Indian Units:						
The BLM or BIA has approved the succ			•	3/27/2006		
8. Federal and Indian Communiza	<u>~</u>	•		,		
The BLM or BIA has approved the open			1 III C E	n/a	£ £ A	41
9. Underground Injection Control	•	Division has appro		•	ier oi A	utnority to
Inject, for the enhanced/secondary recover DATA ENTRY:	ry unit/project for the w	ater disposal we	II(s) listed (	on:		
1. Changes entered in the Oil and Gas Data	haca an	5/15/2006				
<ol> <li>Changes entered in the On and Gas Data</li> <li>Changes have been entered on the Month</li> </ol>			-	5/15/2006		
3. Bond information entered in RBDMS on:	ly Operator Change S	5/15/2006		3/13/2000		
4. Fee/State wells attached to bond in RBDN	IS on:	5/16/2006	_			
5. Injection Projects to new operator in RBD			_			
6. Receipt of Acceptance of Drilling Procedu			n/a	Name Chang	ge Only	
BOND VERIFICATION:						
1. Federal well(s) covered by Bond Number		CO1203				
2. Indian well(s) covered by Bond Number:		RLB0005239	=			
3. (R649-3-1) The NEW operator of any fee	well(s) listed covered b		-	RLB0005236		
a. The FORMER operator has requested a re			n/a	rider added	KMG	
The Division sent response by letter on:	-			<del>**</del>		
LEASE INTEREST OWNER NOTI	FICATION:		_			
4. (R649-2-10) The FORMER operator of th	e fee wells has been con	tacted and inform	med by a le	tter from the D	Division	
of their responsibility to notify all interest			5/16/2006			
COMMENTS:						
La						

4 Form 3160-5 (August 1999)

### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

#### SUNDRY NOTICES AND REPORTS ON WELLS

	NOTICES AND REPORT	MULTIPLE LEASES	MULTIPLE LEASES			
	form for proposals to Use Form 3160-3 (APD)	6. If Indian, Allottee or To	ribe Name			
SUBMIT IN TRIPL	ICATE – Other instruc	7. If Unit or CA/Agreeme	ent, Name and/or No.			
1. Type of Well		• • • • • • • • • • • • • • • • • • • •				
2. Name of Operator	Other				8. Well Name and No.	_
·	240400515				MUTIPLE WELL	<u>.s</u>
KERR-McGEE OIL & GAS (	DNSHURE LP	3h P	hone No. (inclu	de area codel	9. API Well No.	
1368 SOUTH 1200 EAST V	/ERNAL. UT 84078		781-7024	ue area coaej	10. Field and Pool, or Expl	oratory Area
4. Location of Well (Footage, Sec.,			707 7024			oratory Area
					11. County or Parish, State	
SEE ATTACHED					UINTAH COUNTY, I	HATU
12. CHECK APP	ROPRIATE BOX(ES) TO I	NDICA	TE NATURE	OF NOTICE	, REPORT, OR OTHER DA	TA
TYPE OF SUBMISSION			TY	PE OF ACTIO	ON	
Notice of Intent	Acidize Alter Casing	_	epen cture Treat	Producti		Shut-Off ntegrity
Subsequent Report	Casing Repair		w Construction	Recomp	lete 🗓 Other	CHANGE OF
Final Abandonment Notice	Change Plans Convert to Injection	_	g and Abandon g Back	Tempora Water D	arily Abandon OPER	ATOR
If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for fin	rk will be performed or provide the operations. If the operation result bandonment Notices shall be filed	ne Bondi Is in a m	No. on file with ultiple completion	BLM/BIA Rec	quired subsequent reports shall be	filed within 30 days
PLEASE BE ADVISED THA OPERATOR OF THE ATTA KERR-McGEE OIL & GAS C OF THE LEASE(S) FOR TH IS PROVIDED BY STATE O	CHED WELL LOCATIO DNSHORE LP, IS RESF E OPERATIONS COND	NS. E PONSI DUCTE	EFFECTIVE BLE UNDER	JANUARY R TERMS A EASE LANI	6, 2006. AND CONDITIONS DS. BOND COVERAGE	MAY 1 0 2006
BLM B	OND = C0/203		AI 139	PROVI Carlen	ED <u>5/16/06</u> e Russell	
14. I hereby certify that the foregoin	g is true and correct			ision of Oli	l <del>, Cas and Mining</del>	
Name (Printed/Typed) RANDY BAYNE		Title			i, Engineering Technici	aa
Signature		Date		NAGER		, , , , , , , , , , , , , , , , , , , ,
- Kanky & Sugar	THIS SPACE	<u> </u>	/ 9, 2006 <b>EDERAL OR S</b>	TATE LIGE		
Approved by	TIIO OF MOE		Title	TATE USE	Date	
***	****					
Conditions of approval, if any, are attached, certify that the applicant holds legal or equ which would entitle the applicant to conductive th	itable title to those rights in the subjet operations thereon.	ect lease	Office			
Title 18 U.S.C. Section 1001, make	it a crime for any person know	vingly a	nd willfully to	make to any de	epartment or agency of the Uni	ted States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

## **SUNDRY NOTICES AND REPORTS ON WELLS**

MULTIPLE LEASES

5-9-06

Do not use this abandoned well.	6. If Indian, Allottee or Tribe Name					
SUBMIT IN TRIPL	7. If Unit or CA/Agreement, Name and/or No.					
I. Type of Well			-			
Oil Well X Gas Well	Other		8. Well Name and No.			
2. Name of Operator			MUTIPLE WELLS			
WESTPORT OIL & GAS CO	OMPANY L.P.		9. API Well No.			
3a. Address		3b. Phone No. (include area code)				
1368 SOUTH 1200 EAST		(435) 781-7024	10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, Sec.	T., R., M., or Survey Descript	ion)				
SEE ATTACHED			11. County or Parish, State			
SEE ATTAUMED			UINTAH COUNTY, UTAH			
12. CHECK API	PROPRIATE BOX(ES) TO	INDICATE NATURE OF NOTICE,	REPORT OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTIO				
Notice of Intent	Acidize					
Trouce of Intent	Alter Casing	Deepen Production Fracture Treat Reclamati	on (Start/Resume) Water Shut-Off Well Integrity			
Subsequent Report	Casing Repair	New Construction Recomple				
	Change Plans		ly Abandon OPERATOR			
Final Abandonment Notice	Convert to Injection	Plug Back Water Dis				
Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for fine the first of the involved testing has been completed. Final A determined that the site is ready for fine the first of the first	any or recomplete nonzontally, gork will be performed or provide operations. If the operation resubandonment Notices shall be file nat inspection.	the Bond No. on file with BLM/BIA. Required in a multiple completion or recompletion.	any proposed work and approximate duration thereof be vertical depths of all pertinent markers and zones, ired subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once amation, have been completed, and the operator has EELINQUISHED			
OHOHORE, EF.	APPF	ROVED 5/16/06				
		Whene Russell	RECEIVED			
	Division	of Oil, Cas and Mining	MAY 1 0 2006			
M. Ilbahardis de la companya de la c		Russell, Engineering Technicia	DIV OF OIL GAS & MINING			
14. I hereby certify that the foregoin Name (Printed/Typed)	g is true and coirect	1 Title				
BRAD LANEY		ENGINEERING SPECIALIS	т			
Signature		Date				
		May 9, 2006				

Approved by

Conditions of approval, if any, are attacked. Approval of this notice does not warrant or certify that the applicant holds legal of equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

THIS SPACE FOR FEDERAL OR STATE USE

Title

Office

STATE OF LITAH

(5/2000)

DEPARTMENT OF NATURAL PROGUES	1 011111 0
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: NBU 922-29M
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304735649
3. ADDRESS OF OPERATOR:  1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 (435) 781-7024	10. FIELD AND POOL, OR WILDCAT:  NATURAL BUTTES
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: 590'FSL, 512'FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 29 9S, 22E	STATE: UTAH
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT  (Submitting Duplicate)  ACIDIZE  DEEPEN  DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE	
•	
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY A	ANALYST
SIGNATURE	RECEIVED
(This space for State use only) APPROVED BY THE STATE	AUG 2 0 2008
	DIV. OF OIL, GAS & MINING
OIL, GAS, AND MINING	DAILAULE OF 15 CO. INITIALIA
(5/2000) DATE:) (See Instructions on Reverse Side)	
BY: WILLIAM TO THE STATE OF THE	
1 - 0.150 Jet - 1(1)	

Name:

**NBU 922-29M** 

Location:\_

SW SW Sec. 29 9S 22E

Uintah County, UT

Date:

08/04/08

**ELEVATIONS:** 

5015 GL

5039 KB

TOTAL DEPTH:

9260

**PBTD:** 9223

**SURFACE CASING:** 

9 5/8", 36# J-55 ST&C @ 2117' 4 1/2", 11.6#, I-80 LT&C @ 9267'

Marker Joint 4747 - 4764'

#### **TUBULAR PROPERTIES:**

**PRODUCTION CASING:** 

	BURST	COLLAPSE	DRIFT DIA.	CAPACITIES	
	(psi)	(psi)	(in.)	(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55	7,700	8,100	1.901"	0.00387	0.1624
tbg					
4 ½" 11.6# I-80	7780	6350	3.875"	0.0155	0.6528
(See above)					
2 3/8" by 4 ½"				0.0101	0.4227
Annulus					

#### TOPS:

1374' Green River

2104' Mahogany

4659' Wasatch

7232' Mesaverde

Estimated T.O.C. from CBL @1600

#### **GENERAL:**

- A minimum of 12 tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 10/14/2005
- 4 fracturing stages required for coverage.
- Procedure calls for 5 CBP's (8000 psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, Slickwater frac.
- Maximum surface pressure 6200 psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump resin coated sand last 5,000# of all frac stages

- Tubing Currently Landed @~7974
- Originally completed on 11/01/2005

**Existing Perforations:** 

Zone	From	То	SPF	# of Shots
Mesaverde	7,195	7,199	4	16
Mesaverde	7,246	7,248	4	8
Mesaverde	7,405	7,408	4	12
Mesaverde	7,572	7,574	4	8
Mesaverde	8,081	8,085	4	16
Mesaverde	8,416	8,417	4	4
Mesaverde	8,533	8,538	4	20
Mesaverde	8,782	8,786	4	16
Mesaverde	8,896	8,901	4	20
Mesaverde	9,040	9,043	4	12

#### **PROCEDURE**:

- 1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
- 2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~7974'). Visually inspect for scale and consider replacing if needed.
- 3. If the looks ok consider running a gauge ring to 6696 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6696 (50' below proposed CBP).
- 4. Set 8000 psi CBP at  $\sim$  6646'. Pressure test BOP and casing to 6000 psi.
- 5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	То	spf	# of shots
WASATCH	6520	6528	4	32
WASATCH	6542	6546	4	16

- 6. Breakdown perfs and establish injection rate (<u>include scale inhibitor in fluid</u>). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6470' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
- 7. Set 8000 psi CBP at ~5754'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5658	5664	4	24
WASATCH	5718	5724	4	24

- 8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5608' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
- 9. Set 8000 psi CBP at ~5454'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone From To spf # of shots WASATCH 5414 5424 4 40

- 10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5364' trickle 250gal 15%HCL w/ scale inhibitor in flush.
- 11. Set 8000 psi CBP at ~5006'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone From To spf # of shots WASATCH 4810 4814 4 16 WASATCH 4970 4976 4 24

- 12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~4760' flush only with recycled water.
- 13. Set 8000 psi CBP at~4760'.
- 14. TIH with 3 7/8" bit, pump off sub, SN and tubing.
- 15. Drill plugs and clean out to PBTD. Pump off sub and land tubing at  $\pm 7375$ ' unless indicated otherwise by the well's behavior. This well will be commingled at this time.
- 16. RDMO

For design questions, please call Sarah Schaftenaar, Denver, CO (303)-895-5883 (Cell) (720)-929-6605 (Office)

For field implementation questions, please call Robert Miller, Vernal, UT 4350781 7041 (Office)

NOTES:

		Feet	Pe	rfs			Rate	Fluid	Initial	Final	Fluid	Volume	Cum Vol	Volume	Cum Vol	Fluid % of	Sand	Sand	Cum. Sand	Footage from	Scale Inhib.,
Stage	Zone	of Pay	Top, ft.	Bot, ft	SPF	Holes	BPM	Туре	ppg	ppg		gals	gals	BBLs	BBLs	frac	% of frac	ibs	lbs	CBP to Flush	gal.
	i i i i i i i i i i i i i i i i i i i	ļ.,			55. A	155					SEGUIDESP.	33700	(A)								A.V.
- 1	WASATCH	8	6520	6528	1 .	) I		Pump-in test			Slickwater		0	0	0						
	WASATCH	4	6542	8546	4	16		ISIP and 5 min ISIP													42
- 1	WASATCH	0						Stickwater Pad	0.05		Slickwater	4,125	4,125	98	1 1	15.0%	0.0%	U	0		12
- 1	WASATCH	0						Slickwater Ramp	0.25		Slickwater	7,792	11,917	186		28.3%	17.2%	4,870	4,870		12
	WASATCH	0						SW Sweep	0		Slickwater	7.700	11,917	0	20,	***	0.0%	0.740	4,870		0
- 1	WASATCH	0						Slickwater Ramp SW Sweep	1 0.		Slickwater Slickwater	7,792 0	19,708 19,708	186 0		28.3%	34.5%	9,740 n	14,609 14,609		12 0
- 1	WASATCH	0						Slickwater Ramp	1.5	-	Slickwater	7,792	27,500	186		28.3%	0.0% 48.3%	13,635			0
- 1	wasatch wasatch	0						Flush (4-1/2")	1.0	2	Silckwater	4,224	31,724	101		20.3%	40.3%	13,050	28,245		42
	WASATCH	0					30	ISOP and 5 min ISDP				7,227	31,724	,01	100				20,240		120
	THE ION II VIII	٠						IDDI GIRG S MINI (CDI				ĺ	01,121				qal/ft	2,500	2.568	lbs sand/ft	,,,,,
		11		# of Perfs	l s/stane	48								Fl	ush depth	6470		CBP depth		716	
	ilining.		27	100			15.1	<< Above pump time	(min)	#1571	e T	(0)	A REPORT HOL		l de l'	100			27.02(0)100001		
	WASATCH	8	5658	5664	4	24	******	Pumo-in test	Sam Villia	04.12888	Slickwater	F. 338363866	0	0	0	11226	CORRECTED THE				011117 9
- 1	WASATCH	8	5718	5724	4	24		ISIP and 5 min ISIP													
ŀ	WASATCH	3		No perfs			50	Slickwater Pad			Slickwater	6,938	6,938	165	165	15.0%	0.0%	0	0		21
ĺ	WASATCH	0					50	Slickwater Ramp	0.25	1	Slickwater	13,104	20,042	312	477	28.3%	17.2%	8,190	8,190		20
h	WASATCH	0					50	SW Sweep	0	0	Slickwater	0	20,042	0	477		0.0%	0	8,190		Û
ŀ	WASATCH	0					50	Slickwater Ramp	1	1.5	Slickwater	13,104	33,146	312	789	28.3%	34.5%	16,380			20
ŀ	Wasatch	0					50	SW Sweep	0	0	Slickwater	0	33,146	0	789		0.0%	0	24,570		0
- 1	WASATCH	0						Slickwater Ramp	1.5	2	Slickwater	13,104	46,250	312	1,101	28.3%	48.3%	22,932	47,503		0
- 1	WASATCH	0					50	Flush (4-1/2")				3,661	49,911	87	1,188				47,503		37
ľ	WASATCH	0						ISDP and 5 min ISDP					49,911								97
ĺ									ĺ		ĺ	ĺ			ا ا		gal/ft			lbs sand/ft	
	1.1.70.40004000	19	ESTEIN.	# of Perfs	s/stage	48		III A COLOR COV.			CONTRACTOR	FORM CONTRACTOR	e e e e e e e e e e e e e e e e e e e	FN (Marie (1916)	ush depth	5608		CBP depth	5,454	154	data
Ni -	SALLAN	[mini						<< Above pump time	(min)		JIP I	10.00		,			is illu			116	
	WASATCH	10	5414	5424	4	40		Pump-in test			Slickwater		0	0	0						
- 1	WASATCH	0						ISIP and 5 min ISIP			0.1	2.502	2 502	OΕ	0.5	45.000	0.00	0	ا ا		11
	Wasatch Wasatch	0						Slickwater Pad Slickwater Ramp	0.25	4	Slickwater Slickwater	3,563 6,729	3,563 10,292	85 160	1	15.0% 28.3%	0.0% 17.2%	4,206	4,206		11 10
- 1	WASATCH	0						SW Sweep	0.23	1	Slickwater	0,729	10,292	0		20.376	0.0%	4,200 N	4,200		0
- 1	WASATCH	n N				ĺ		Slickwater Ramp	1		Slickwater	6,729	17,021	160	405	28.3%	34.5%	8,411	12,617		10
	WASATCH	n						SW Sweep	0		Slickwater	0,723	17,021	0		20.370	0.0%	0			0
	WASATCH	0						Slickwater Ramp	1.5		Slickwater	6,729	23,750	160	565	28.3%	48.3%	11,776	24,393		Ô
	WASATCH	0						Flush (4-1/2")	1.0	-	Dilottrator	3,502	27,252	83		20.070	10.070	12,110	24,393		35
	WASATCH	0						ISDP and 5 min ISDP				,,,,,	27,252						- 1,		66
																	gal/ft	2,500	2,568	lbs sand/ft	
		10		# of Perf:	/stage	40		TO STORY TO						Fli	ush depth			BP depth	5,006	358	
			Žiti.		liin.id		13.0	<< Above pump time	(min)		akerionijse Belge jak							AND Y			
4	WASATCH	16	4810	4814	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	3	4970	4976	4	24		ISIP and 6 min ISIP													
	WASATCH	16		No perfs				Slickwater Pad			Slickwater	12,938	12,938	308		15.0%	0.0%	0	0		39
	WASATCH	0						Slickwater Ramp	0.25		Slickwater	24,438	37,375	582		28.3%		15,273			37
- 1	WASATCH	0					50	SW Sweep	0		Slickwater	0	37,375	0	1		0.0%	20.547			0
	WASATCH	0						Slickwater Ramp	1		Slickwater	24,438	61,813	582	1,472	28.3%	34.5%	30,547	45,820		37
- 1	WASATCH	0						SW Sweep	0		Slickwater	5,250	67,063	125		20.20	0.0%	A2.766	,		0
	WASATCH	0						Slickwater Ramp Flush (4-1/2")	1.5	2	Slickwater	24,438 3,107	91,500 94,607	582 74		28.3%	48.3%	42,766	88,586 88,586		0 31
	Wasatch Wasatch	0						ISDP and 5 min ISDP				3,107	94,607	14	2,200				00,500		143
ľ	THAMILE	"					1	HOUT AND S MITH ISUP					34,007				gal/ft	2,500	2 569	lbs sand/ft	IHO
		35		# of Perfs	l Ustane	40								Fli	ush depth	4760		2,500 CBP depth		ios sanuar O	LOOK
sat.	e4 )) [[]	ال الوداد		. 011 518	raceye	40	45.1	<< Above pump time	(min)		all F		100		-on wopul	71,00		Jepai	-,,, ov	U	
	Totals	74	9988 <b>37</b> 741	149	usiliyesi."	176	5-61	- Lone hand mig.	Acien	1000000	1000	Total Fluid	203,330	aals	4,841	bbis		Total Sand	188,727		, receptor (AC)
- 1		"				11.0			- 1			. www.i iwiw	4,841		1,041			. Jan. 441 (V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
- 1																					

NBU 922-29M Perforation and CBP Summary

		Perf	orations						
Stage	Zones	Top, ft	Bottom, ft	SPF	Holes		Frac	ture Covera	age
TO BOX STR			Skelanisch mit		MINES-1-	1889 1107	Mary Address	NAME OF TAXABLE PARTY.	14
1	WASATCH	6520	6528	4	32		6520	to	6527.5
	WASATCH	6542	6546	4	16		6542	to	65 <b>4</b> 5.5
	# of Perfs/stage				48		CBP DEPTH	5,754	
			100 (00)			a Schiller			
2	WASATCH	5658	5664	4	24		5656.5	to	5664.5
	WASATCH	5718	5724	4	24		5717	to	5724.5
	WASATCH		No perfs				5725	to	5728
	# of Perfs/stage				48		CBP DEPTH	5,454	
E 51.1	8.00	F. C. Lakerton					and the second		
3	WASATCH	5414	5424	4	40		5414	to	5423.5
	# of Perfs/stage				40		CBP DEPTH	5,006	
7									
4	WASATCH	4810	4814	4	16		4806	to	4821.5
	WASATCH	4970	4976	4	24		4836	to	4839
	WASATCH		No perfs				4962	to	4978
	# of Perfs/stage				40		CBP DEPTH	4,760	
				i		. Ah,			
	Totals				176				

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES	7 Ortivi 3
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: NBU 922-29M
2. NAME OF OPERATOR:	9. API NUMBER:
KERR McGEE OIL & GAS ONSHORE LP  3. ADDRESS OF OPERATOR: IPHONE NUMBER:	4304735649  10. FIELD AND POOL, OR WILDCAT:
1368 SOUTH 1200 EAST CITY VERNAL STATE UT 21P 84078 (435) 781-7024	NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 590'FSL, 512'FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 29 9S, 22E	STATE: <b>UTAH</b>
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING  FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:  CASING REPAIR  NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL LOCATION ON THE RECOMPLETION IN THE WASATCH FORMATION, AND COMMINGLED FORMATION WITH THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS FLOCATION BACK TO PRODUCTION ON 09/29/2008 AT 8:50 AM.  PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.	ATION. THE OPERATOR HAS E THE NEWLY WASATCH RETURNED THE SUBJECT WELL
NAME (PLEASE PRIME SHEILA UPCHEGO TITLE REGULATORY A	ANALYST
SIGNATURE DATE 9/29/2008	
This space for State use only)	RECEIVED

OCT 0 6 2008 DIV. OF OIL, GAS & MINING

EVENT INFORM	ATION:	EVEN	IT ACTIVITY: RE	COMPLET	TION		STAF	RT DATE: 9/19/2008		AFE NO	D.: 2023405
		OBJE	CTIVE: DEVELO	PMENT			END	DATE: 9/26/2008			
		OBJE	CTIVE 2: RECO	MPLETE			DATE	WELL STARTED PROD	).:		
		REAS	ON: WAS SW				Event	t End Status; COMPLE	TE		
RIG OPERATIO	NS:	Ве	egin Mobilization	Rig Ön	Location	Rig C	harges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
MILES 2/2			•	09/1	9/2008						09/26/2008
Date	100	Time art-End	Duration (hr)	Phase	Code	Subco de	P/U		Operati	on	
9/19/2008	SUPE	RVISOR:	JEFF SAMUELS	S							MD:
	7:00	- 15:00	8.00	COMP	30	Α	Р	7:00 A.M. HSM RIG DWN, RACK OUT 921-13LT TO LOC. SF WTR TRUCK'S TO FIL	OT EQUIP. LEFT		
9/22/2008	SUPE	RVISOR:	STEVE WALL			- , 11-20	5 w/www.po-yo-y-g-				MD:
	7:00	- 7:30	0.50	COMP	48		Р	HSM, RIGGING UP, A	ND KILLING WELL	•	
	7:30	- 15:00	7.50	COMP	31		P	RU RIG, 100# SITP AN BBLS 2% KCL DWN TE WELL. ND WH, NU BO 251 JTS 2 3/8 4.7# J-5: TBG LOOKED GOOD,	BG, AND TRICKLE PS, UNLAND AND 5 TBG,SLM AND C	DWN CSG TO C L/D HANGER, F HECKING FOR S	CONTROL COOH W/ SCALE
								TANK # UST 033 HAD BE HAULED OFF TO E	· ·	,	AND WILL
9/23/2008	SUPE	RVISOR:	STEVE WALL								MD:
	7:00	- 7:30	0.50	COMP	48		Ρ	HSM, RU CUTTERS W	ORKING W/ WIRE	LINE.	
	7:30	- 15:00	7.50	COMP	34			125# SICP, RU CUTTE POOH RIH SET 41/2 8 HOLE W/ 130 BBLS 2 PRECEDURE. GOOD	K CBP @ 6630'. P 2% KCL. PT CSG T	OOHW/WL, RL	
								[ STG 1 ] RIH W/ 3-3/8 PHASING, 4 SPF. PER 6546'-6542', 16 HLS, 6: PREP TO FRAC IN AM	RF WASATCH 528'-6520', 32 HLS		
9/24/2008	SUPE	RVISOR:	STEVE WALL								MD:
	7:00	~ 7:30	0.50	COMP	48		Р	HSM, FRACING AND V	WORKING W/ WIR	E LINE.	

7:00 - 7:30	9/25/2008 <u>SUPERVISOR:</u> STEVE WALL 7:00 - 7:30 0.50		vilografija statorija. Slogiji seljetji slogij	gradu Paga Bijunda N	NBU 922-2	9M API No.: 4304735649
RIH W/ 151 JTS 23/8" J-55 TBG UP 10" TAG CBP @ 4762'. L/D 15 JS, RIH 15 JTS OUT OF DERICK, RU DRLG EQUIP SWI SDFN.  MD:  7:00 - 7:30	7:00 - 7:30 0.50	COMP	COMP	36	tion of the books are an arranged	MIRU WEATERFORD SERVICES, PRIME UP PUMP AND LINES, PRESSURE TEST SURFACE LINES TO 8500# PSI.  STG 1) WHP 175 PSI,BRK 2958 PSI @ 3.1 BPM, ISIP 1307 PSI, FG .64.  PUMPED 100 BBLS @ 50.9 BPM @ 3250 PSI =777% PERFS OPEN. MP 5493 PSI, MR 51.4 BPM, AP 3210 PSI, AR 51.2 BPM, ISIP 1703 PSI, FG .70.  NPI 396 PSI, PUMPED 857.3 BBLS OF SW, & 23,358 LBS OF 30/50 SND, & 5,000 LBS 20/40 RESIN.  TOTAL PROP 28,358 LBS.  STG2) PU 41/2" CPB & 3 3/8" EXP GNS,23GM, .36" HLS, 90 DEG PHASING.  SET 8K BAKER CBP @ 5754',& PERF 5724'- 18' 4 SPF 5664'- 5658' 4SPF, 48 HLS.  WHP, 0 PSI, BRK 1364 PSI, @ 4.8 BPM, ISIP 1048 PSI, FG .63.  PUMPED 100 BBLS @ 51.2 BPM, @ 2700 PSI, = 100% PERFS OPEN.  MP 2960 PSI, MR 51.7 BPM, AP 2414 PSI, AR 51.2 BPM, ISIP 1349 PSI, FG .68.  NPI 301 PSI, PUMPED 1194.4 BBLS SW & 42, 436 LBS 30/50 SND, & 5,000 LBS 20/40 RESIN.  TOTAL PROP 47,436 LBS.  STG 3) PU 41/2" CBP & 3 3/8" EXP GUNS, 23 GM, .36" HLS, 90 DEG PHASING, SET CBP @ 5454', & PERF 5424'-14' 4 SPF 40 HLS.  WHP 0 PSI, BRK @ 3154 PSI, 3.0 BPM, ISIP 1399 PSI, FG .70.  PUMPED 100 BBLS @ 51.2 BPM, 2600 PSI =100% PERFS OPEN.  MR 4526 PSI, MR 51.7 BPM, AP 2429 PSI, AR 51.2 BPM, ISIP 1089 PSI, FG .64.  NPI -310 PSI, PUMPED 654 BBLS SW, & 19,261 LBS 30/50 SND, & 5,000 LBS 20/40 RESIN.  TOTAL PROP 24,261 LBS.  STG 4) PU 41/2" CBP & 3 3/8" EXP GUNS, 23 GM, .36" HLS, 90 DEG PHASING, SET CBP @ 5016', & PERF 4976'-70', 4SPF.  4814'-10' 4SPF 40 HLS.  WHP, O PSI, BRK @ 1348 PSI, 2.1 BPM, ISIP 596 PSI, FG .56.  PUMP 100 BBLS @ 51 BPM, @ 2380 PSI = 100% PERFS OPEN.  MR 2942 PSI, MR 51.2 BPM, AP 2750 PSI, AR 51.0 BPM, ISIP 1933 PSI, FG .84.  NPI 1337 PSI, PUMPED 2271 BBLS SW, & 83,882 LBS 30/50 SND, & 5,000 LBS 20/40 RESIN.  TOTAL PROP 88,882 LBS.  KILL PLUG) PU 41/2" CBP RIH SET @ 4762' POOH W/ WIRE LINE, RD CUTTERS AND WEATERFORD SERVICES.
7:00 - 7:30	7:00 - 7:30 0.50					
15:00 8.00 50 0# SICP, BREAK CIRC CONVENTINAL, W/ TREATED RECYCLED WTR.  C/O 0' SAND TAG 1ST PLG @ 4762' DRL PLG IN 7 MIN, 100# PSI INCREASE, RIH.  C/O 30' SAND TAG 2ND PLG @ 5016' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.  C/O 60' SAND TAG 3RD PLG @ 5454' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.  C/O 30' SAND TAG 4TH PLG @ 5754' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.TAG UP @ 6606' RAN OUT OF WTR USED 400BLS TRYING TO KEEP CIRC. WAIT ON WTR, GOT 260 BBLS WTR.CLEANED OUT 40' SAND DWN TO BTM PLUG @ 6646 LOST CIRCULATION PUMP 110 BBLS NO CIRC, RD SWIVEL, POOH W/ 20 STD TBG EOT @ 5984' SWI SDFN.WAIT ON FOAM UNIT FOR AM.						MD:
INCREASE, RIH.  C/O 30' SAND TAG 2ND PLG @ 5016' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.  C/O 60' SAND TAG 3RD PLG @ 5454' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.  C/O 30' SAND TAG 4TH PLG @ 5754' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.TAG UP @ 6606' RAN OUT OF WTR USED 400BLS TRYING TO KEEP CIRC. WAIT ON WTR, GOT 260 BBLS WTR.CLEANED OUT 40' SAND DWN TO BTM PLUG @ 6646 LOST CIRCULATION PUMP 110 BBLS NO CIRC, RD SWIVEL, POOH W/ 20 STD TBG EOT @ 5984' SWI SDFN.WAIT ON FOAM UNIT FOR AM.		COMP	COMP		Р	0# SICP, BREAK CIRC CONVENTINAL, W/ TREATED RECYCLED
INCREASE, RIH.  C/O 60' SAND TAG 3RD PLG @ 5454' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.  C/O 30' SAND TAG 4TH PLG @ 5754' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.TAG UP @ 6606' RAN OUT OF WTR USED 400BLS TRYING TO KEEP CIRC. WAIT ON WTR, GOT 260 BBLS WTR.CLEANED OUT 40 ' SAND DWN TO BTM PLUG @ 6646 LOST CIRCULATION PUMP 110 BBLS NO CIRC, RD SWIVEL, POOH W/ 20 STD TBG EOT @ 5984' SWI SDFN.WAIT ON FOAM UNIT FOR AM.						=
INCREASE, RIH.  C/O 30' SAND TAG 4TH PLG @ 5754' DRL PLG IN 10 MIN, 0# PSI INCREASE, RIH.TAG UP @ 6606' RAN OUT OF WTR USED 400BLS TRYING TO KEEP CIRC. WAIT ON WTR, GOT 260 BBLS WTR.CLEANED OUT 40 ' SAND DWN TO BTM PLUG @ 6646 LOST CIRCULATION PUMP 110 BBLS NO CIRC, RD SWIVEL, POOH W/ 20 STD TBG EOT @ 5984' SWI SDFN.WAIT ON FOAM UNIT FOR AM.						
INCREASE, RIH.TAG UP @ 6606' RAN OUT OF WTR USED 400BLS TRYING TO KEEP CIRC. WAIT ON WTR, GOT 260 BBLS WTR.CLEANED OUT 40' SAND DWN TO BTM PLUG @ 6646 LOST CIRCULATION PUMP 110 BBLS NO CIRC, RD SWIVEL, POOH W/ 20 STD TBG EOT @ 5984' SWI SDFN.WAIT ON FOAM UNIT FOR AM.						The state of the s
9/26/2008 SUPERVISOR: STEVE WALL MD:						INCREASE, RIH.TAG UP @ 6606' RAN OUT OF WTR USED 400BLS TRYING TO KEEP CIRC. WAIT ON WTR, GOT 260 BBLS WTR.CLEANED OUT 40' SAND DWN TO BTM PLUG @ 6646 LOST CIRCULATION PUMP 110 BBLS NO CIRC, RD SWIVEL, POOH W/ 20 STD TBG EOT @ 5984' SWI SDFN.WAIT ON FOAM UNIT FOR
SIZOIZOO SOF ETT. ISSUE OF ETE THE ISSUE OF THE ISSUE OF ETE THE ISSUE OF THE ISSUE OF THE ISSUE OF THE ISSU	9/26/2008 SUPERVISOR: STEVE WALL			•	***************************************	MD:

Vins No.:	73050					NBU 922	-29M API No.: 430473564
	7:00	- 7:30	0.50	COMP	48	Р	HSM, DRILL PLUGS, WORK W/ FOAM UNIT, LD TBG.
	7:30	- 17:00	9.50	COMP	50	P	1250# SICP, RIH TAG UP CBP @ 6,646', RU SWIVEL AND FOAM UNIT. BREAK CIRC CONVENTINAL W/ FOAM, DRL PLG # 5 IN 5 MIN, O# INCREASE. RIH W/ 41 JTS F/ STRING, PU 14 JTS 23/8 YELLOW BAND OFF FLOAT, TAG @ 8,395'. DRL TO 8458.02 FELL FREE, RIH TAG UP @ 8910.07' DRL OUT TO 8,920.07' FELL FREE, RIH TAG UP @ 9,000',DRIL OUT TO 9182.30'. NOT MAKING ANY HOLE, PBTD @ 9,223', CIRC WELL W/ FOAM 1/2 HR.R/D SWIVEL. L/D 39 JTS 23/8 J-55 YELLOW BAND,AND 18 JTS 23/8 J-55 F/ WELL. EOT @ 7,381' X/N 1.875" @ 7378.8'. LAND TBG ND BOPS, NU WH, DROP BALL PUMP OFF BIT W/ FOAM TRUCK @ 1650# PSI PUMP DWN CSG TO KICK WELL OFF. TURN WELL OVER TO FLOW TESTER, RDMOL, MOVE TO NBU 921-14D, SPOT EQUIP SDFWE.
							50 JTS 23/8 J-55 YELLOW BAND HAULED FROM YARD.USED TO CLEAN OUT. 50 JTS YELLOW 1 BAD BACK TO YARD. 18 JTS LD F/ WELL TO PRS FOR INPECTION
							233 JTS LANDED = 7,353.97' X/N 1.875 @ 7378;KB EOT @ 7381'
							150 # tbg flow psi on 20/64 choke 850 # csg psi
/27/2008	SUPER	RVISOR:	STEVE WALL				<u>MD:</u>
	7:00	-			33	A	7 AM FLBK REPORT: CP 900#, TP 50#, 48/64" CK, - BWPH, - SAND, - GAS PUMPER: BRUCE HARDMAN TTL BBLS RECOVERED: 905 BBLS LEFT TO RECOVER: 4825
/28/2008	SUPER	RVISOR:	STEVE WALL	42			<u>MD:</u>
	7:00	-			33	A	7 AM FLBK REPORT: CP 1000#, TP 50#, 20/64" CK, 0 BWPH, - SAND, - GAS PUMPER: BRUCE HARDMAN TTL BBLS RECOVERED: 905 BBLS LEFT TO RECOVER: 4825
9/29/2008	SUPE	RVISOR:	MIKE MERREL	L.			MD:
	7:00	-			33	A	7 AM FLBK REPORT: CP 800#, TP 500#, 24/64" CK, 8 BWPH, CLEAN SAND, - GAS PUMPER: BRUCE HARDMAN TTL BBLS RECOVERED: 1065 BBLS LEFT TO RECOVER: 4665
	8:50	-		PROD			WELL TURNED TO SALES @ 0850 HR 9/29/2008 - FTP 500#, CP 800#, CK 20/64", 1505 MCFD, 192 BWPD

<b>1</b>	

(5/2000)

4810'-6546 29. ENCLOSED A	TTACHMEN	TS:		4,977 B	BLS SI	LICK H2		BIC REPO		DST REPORT	☐ DIRE	CTIONAL	1	30. WE	ELI STATUS:	
DEPTH 4810'-6546	INTERVAL		PMP	4,977 B	BLS SI	LICK H2	0 & 1	88,93	7# 30/50	) SD				30. WE	IL STATUS:	
DEPTI	INTERVAL		PMP	4,977 B	BLS SI	LICK H2	0 & 1	88,93	7# 30/50	SD	<u> </u>					
DEPTI	INTERVAL		PMP	4,977 B	BLS SI	LICK H2	<u>0 &amp; 1</u>	88, <u>93</u> ,	/# 3U/SU	I SD						
								22.22	*** OO IE C							
20. AUD, 110011	JKE, IKEAI							AN	OUNT AND	TYPE OF MATERIA	T.					
28. ACID, FRACTU	IDE TOEAT	MENT, CEMI	ENT SQUE	EZE, ETC.												
(D)		+	-						. ,	V /			Open		Squeezed	
(B) (C)	<del></del>	+											Open		Squeezed	
	<i>7</i> 1 1	7,0		0,010	$\dashv$								Open		Squeezed	
FORMATION (A) WASATO			(MD) 310	6,546	<del>-   -</del>			,,,,,,	4,810	6,546	0.36	176	Open	V	Squeezed [	
26. PRODUCING II		ТОР	(MD) I	BOTTOM (M	D) TO	OP (TVD)	вотто	M (TVD)		L (Top/Bot - MD)	SIZE	NO. HOL	ES F	ERFO	RATION STAT	īUS
2 3/8"		,381	<u> </u>						27 PEREO	RATION RECORD						
SIZE		H SET (MD)	PACKE	R SET (MD)	Si	ZE	DEPTH	SET (MD)	PACKE	R SET (MD)	SIZE	+	EPTH SET (	)	I AUNEN OF	
25. TUBING RECO	RD								1		01==	<u> </u>	EDTU CET (	MD)	PACKER SE	ET (MD)
						<u> </u>				أنانسا يها مناسيها					<u> </u>	
															-	
7 7/8"	4 1/2	I-80	11.6	#		9,20	60			1590					1	
12 1/4"	9 5/8	H-40	32.3	#		2,5	30			680					+-	
20"	14"	STL	36.7	#		40				28					<b></b>	
HOLE SIZE	SIZE/GF	RADE	WEIGHT (#	l/ft.) To	OP (MD)	воттом	(MD)		EMENTER PTH	NO. OF SACKS	VOLUM		CEMENT T	OP **	AMOUNT F	*ULLED
24. CASING AND L	NER RECO	RD (Report a	il strings s	et in well)								т.			T -	
22. TYPE ELECTRIC	AND OTHE	R MECHANI	CAL LOGS	RUN (Submit	copy of eac	ch)	_		23. WAS WELL WAS DST I		NО NО NO	<b>✓</b> YI	:s   :s   :s   :s	(Subn	nit analysis) nit report) nit copy)	
18. TOTAL DEPTH:	TVD	260			TVD	Secretary and advanced to the second		ZU. IF N					G SET:	TVD	l	1.
14. DATE SPUDDED 6/17/2008		10/7/20	800		/29/200	8	Al	BANDONE		READY TO PRODI		21. DEPT	21'GL H BRIDGE	MD		<del></del>
AT TOTAL DEPTI		I5. DATE T.D	DEACHE	D: 148 D	ATE COMP	I ETED:					<del>- <u> </u> </del>	INTAH 17. ELEV/	ATIONS (DF	, RKB,		
AT TOP PRODUC	CING INTER	VAL REPORT	ED BELO			. m						OUNTY		1:	3. STATE	TAH
AT SURFACE:	590'FSI	_, 512'F\	<i>N</i> L										29 95			
1368 S 1200 4. LOCATION OF WI			Y VER	NAL	STAT	E UI ZI	P 0-70		1 (-10)	2,					HIP, RANGE,	
3. ADDRESS OF OP	ERATOR:					E UT ZI	" 81U.	——— 78		NUMBER: 5) 781-7024		LDANDP	OOL, OR W	ILDCA	π S	
2. NAME OF OPERA KERR McC	TOR:							J. 7. 144	<u> </u>		_,	NUMBER 30473				
b. TYPE OF WORK	HORIZ.	DEE	P- [ ]	RE- ENTRY	П	DIFF. RESVR.	1	OTHE	REC	OMPLETE			and NUMBE 2-29 <b>M</b>	R:		
1a. TYPE OF WELL:		OIL WEL		GAS WELL	V	DRY	]	OTHE	₹		- l u	NIT #8	391008	900 <i>F</i>		
WELL	COM	PLETI	ON O	R REC	OMPL	ETION	I RE	POR	Γ AND	LOG						
	_,											L-2293	SO LOTTEE OF	RTRIB	E NAME	
		DI'	EPARTA VISIOI	N OF OIL	, GAS	AND MI	NING	i			5. LE/	SE DESIG	NATION AN	ID SEF	RIAL NUMBER	:
		<u></u>		STATE	OF UT	T <b>AH</b> L RESOUF	RCE9					NDED R	EPORT anges)		FOR	M 8

(CONTINUED ON BACK)

RECEIVED

OCT 27 2008

31. INITIAL PRO	DUCTION			IN	TERVAL A (As show	wn in Item #26)				1	
DATE FIRST PRODUCED: 9/29/2008		TEST DATE	TEST DATE: 10/9/2008		HOURS TESTED: 24		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD: FLOWING	
		10/9/20					0	1,138	40		
CHOKE SIZE: 22/64	TBG. PRESS.	CSG. PRES 482	S. API GRAVITY	BTU GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF: 1,138	WATER – BBL: 40	INTERVAL STATUS PROD	
				IN	TERVAL B (As sho	wn in Item #26)					
DATE FIRST PRODUCED:		TEST DATE	TEST DATE:		HOURS TESTED:		OIL – BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG. PRES	S. API GRAVITY	/ BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS	
	<u></u>				ITERVAL C (As sho	wn in item #26)					
DATE FIRST PF	DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS	. CSG. PRES	SS. API GRAVIT	Y BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS MCF:	WATER - BBL:	INTERVAL STATUS	
		<del> ا</del> ب		11	NTERVAL D (As sho	own in item #26)					
DATE FIRST PRODUCED:		TEST DATE	TEST DATE:		HOURS TESTED:		OIL BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:	
CHOKE SIZE: TBG. PRESS.		. CSG. PRES	SS. API GRAVIT	Y BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS MCF:	WATER - BBL:	INTERVAL STATUS	
	ON OF GAS (So	old, Used for Fu	el, Vented, Etc.)								
	SOLD  33. SUMMARY OF POROUS ZONES (Include Aquifers):			·	3,			34. FORMATION (Log) MARKERS:			
Show all import	ant zones of nor	nsity and conten		ervals and all drill-st and recoveries.	em tests, including o	lepth interval					
Formation		Top (MD)	Bottom (MD)	Desc	Descriptions, Contents, et		с.		Name		
WASATC MESAVE	1	4,658 7,135									

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.									
NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST								
SIGNATURE MULA WOMEAN WE	DATE 10/20/2008								

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
   drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\*ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

801-359-3940 Fax:

	FORM 9						
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	IG	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22935				
SUNDE	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	sals to drill new wells, significantly deepen exi- igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 922-29M						
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSI	9. API NUMBER: 43047356490000						
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0590 FSL 0512 FWL		COUNTY: UINTAH					
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 29		STATE: UTAH					
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION		TYPE OF ACTION					
THE OPERATOR REC THE SUBJECT WELL L ABANDON THE WE LOCATIONS, WHICH	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF  WILDCAT WELL DETERMINATION  MPLETED OPERATIONS. Clearly show all pertine QUESTS AUTHORIZATION TO TELL COCATION. THE OPERATOR PROPLL LOCATION TO DRILL THE NBUH CONSISTS OF NBU 922-29M2I S. PLEASE REFER TO THE ATTACABANDON PROCEDURE.	ent details including dates, depths, vo MPORARILY ABANDON POSES TO TEMPORARILY U 922-29M PAD WELL DS, NBU 922-29M3CS, CHED TEMPORARILY	Approved by the Utah Division of Oil, Gas and Mining				
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE					
Sheila Wopsock SIGNATURE	435 781-7024	Regulatory Analyst  DATE					
N/A		7/22/2009					

NBU 922-29M 590' FSL & 512' FwL SWSW SEC. 29, T9S, R22E Uintah County, UT

KBE:

5035'

API NUMBER:

43-047-35649

GLE:

5015' 9260' LEASE NUMBER:

ML-22935-A

TD: PBTD:

9182

WI: NRI: 100.0000% 81.202949%

CASING:

20" hole

14" STL 36.7# csg @ 40' GL

Cemented to surface

12 1/4" hole

9 5/8" 32.3# H-40@ 2117' (KB)

7.875" hole

4 ½" 11.6# I-80 @ 9267'

Cement w/ 450 sks 11.6 ppb yield 2.72 & tail 1140 sks 14.3 ppb yield 1.31.

TOC @ Surface per CBL

TUBING:

2 3/8" 4.7# J-55 tubing landed at 7381'

Tubular/Borehole	orehole Drift Collapse Burst		Burst	Capacities		
	inches	psi	Psi	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# P-110	3.875	7560	10690	0.6528	0.0872	0.01554
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
14" 36.7# Stl						
Annular Capacities	•			•	•	
2.375" tbg. X 4 1/2" 11.6#	csg			0.4227	0.0565	0.01006
4.5" csg X 9 5/8" 32.3# csg				2.4780	0.3314	0.0590
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3436	0.3132	0.0558
9 .625" csg X 14" csg				3.4852	0.4659	0.0830
14" csg X 20" borehole						

## GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1374'
Bird's Nest	1714'
Mahogany	2104'
Base of Parachute	3079'
Wasatch	4658'
Mesa Verde	7135'

# Tech. Pub. #92 Base of USDW's

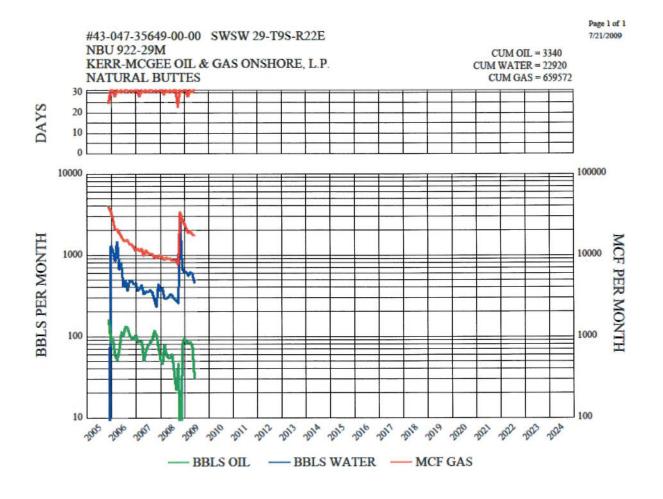
USDW Elevation 1800' MSL USDW Depth 3235' KBE

## PERFORATIONS:

Formation	Date	Тор		SPF	Status
Mesaverde	11/1/05	9040	9043	4	Open
Mesaverde	11/1/05	8896	8901	4	Open
Mesaverde	11/1/05	8782	8786	4	Open
Mesaverde	11/1/05	8533	8538	4	Open
Mesaverde	11/1/05	8416	8417	4	Open
Mesaverde	11/1/05	8081	8085	4	Open
Mesaverde	11/1/05	7572	7574	4	Open
Mesaverde	11/1/05	7405	7408	4	Open
Mesaverde	11/1/05	7246	7248	4	Open
Mesaverde	11/1/05	7195	7199	4	Open
Wasatch	9/23/08	6542	6546	4	Open
Wasatch	9/23/08	6520	6528	4	Open
Wasatch	9/24/08	5718	5724	4	Open
Wasatch	9/24/08	5658	5864	4	Open
Wasatch	9/24/08	5414	5424	4	Open
Wasatch	9/24/08	4970	4976	4	Open
Wasatch	9/24/08	4810	4814	4	Open

# WELL HISTORY:

- Spud on 6/17/05
- TD'd on 10/7/05
- 11/1/05 Perf gross Mesaverde interval f/ 7195' 9043', frac interval in 4 stages w/ 727,560# sand & 6062 bbls gel fluid. Drill out plugs and turn over to flowback crew.
- 11/6/05 1st sales, 1180 Mcfd, 160 bwpd, FTP 1637#, CP 1928#, ck 12/64", LP 81#
- 9/19/09 Recomplete Wasatch, perf Was (4810' 6546'), frac interval w/ 188,937# sand and 4977 bbls slickwater. Drill out plugs and turn over to flowback crew.
- 9/29/08 well turned to sales @ 0850 hr 9/29/2008 ftp 500#, cp 800#, ck 20/64", 1505 mcfd, 192 bwpd.
- Well is being Temporarily Abandoned to accommodate drilling operations. Well will be RTP when the 922-29M Pad is complete.



## NBU 922-29M TEMPORARY ABANDONMENT PROCEDURE

## **GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

## **PROCEDURE**

Note: An estimated 8 sx Class "G" cement needed for procedure

Note: Gyro ran to 7900'

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. PULL TBG & LD SAME, RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
- 3. PLUG #1, ISOLATE MESAVERDE PERFORATIONS (7195' 9043'): RIH W/ 4 ½" CBP. SET @ 7145'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 4 SX CMT (4.36 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~7095'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 4. PLUG #2, ISOLATE WASATCH PERFORATIONS (4810' 6546') & PROTECT WASATCH TOP (4658'): POOH. RIH W/ 4 ½" CBP, SET @ 4760'. RELEASE CBP, BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 15 SX (17.61 CUFT.) ON TOP OF PLUG. PUH ABOVE TOC (~4558'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 5. PLUG #3, PROTECT BASE OF USDW'S (3235'): PUH TO ~3335'. BRK CIRC W/ FRESH WATER. DISPLACE 15 SX (17.44 CUFT.) AND BALANCE PLUG W/ TOC @ ~3135' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
- LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
- 7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 7/21/09

	FORM 9				
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22935				
SUNDF	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepen e igged wells, or to drill horizontal laterals. Uso		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 922-29M		
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS	HORE, L.P.		<b>9. API NUMBER:</b> 43047356490000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	treet, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0590 FSL 0512 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI	P, RANGE, MERIDIAN: 9 Township: 09.0S Range: 22.0E Meridian: S	3	STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	_ ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
7/30/2009	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	■ NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	√ TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT	☐ WATER SHUTOFF [	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12 DESCRIPE PROPOSED OF CO					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON  THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY  ABANDON THE WELL LOCATION TO DRILL THE NBU 922-29M PAD WELL  LOCATIONS, WHICH CONSISTS OF NBU 922-29M2DS, NBU 922-29M3CS,  NBU 922-29M4DS. PLEASE REFER TO THE ATTACHED TEMPORARILY  ABANDON PROCEDURE.  NAME (PLEASE PRINT)  PHONE NUMBER  TITLE					
Sheila Wopsock	435 781-7024	Regulatory Analyst			
SIGNATURE N/A		<b>DATE</b> 7/22/2009			

NBU 922-29M 590' FSL & 512' FwL SWSW SEC. 29, T9S, R22E Uintah County, UT

KBE:

5035'

API NUMBER:

43-047-35649

GLE:

5015' 9260' LEASE NUMBER:

ML-22935-A

TD: PBTD:

9182

WI: NRI: 100.0000% 81.202949%

CASING:

20" hole

14" STL 36.7# csg @ 40' GL

Cemented to surface

12 1/4" hole

9 5/8" 32.3# H-40@ 2117' (KB)

7.875" hole

4 ½" 11.6# I-80 @ 9267'

Cement w/ 450 sks 11.6 ppb yield 2.72 & tail 1140 sks 14.3 ppb yield 1.31.

TOC @ Surface per CBL

TUBING:

2 3/8" 4.7# J-55 tubing landed at 7381'

Tubular/Borehole	orehole Drift Collapse Burst		Burst	Capacities		
	inches	psi	Psi	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# P-110	3.875	7560	10690	0.6528	0.0872	0.01554
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
14" 36.7# Stl						
Annular Capacities	•			•	•	
2.375" tbg. X 4 1/2" 11.6#	csg			0.4227	0.0565	0.01006
4.5" csg X 9 5/8" 32.3# csg				2.4780	0.3314	0.0590
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3436	0.3132	0.0558
9 .625" csg X 14" csg				3.4852	0.4659	0.0830
14" csg X 20" borehole						

## GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1374'
Bird's Nest	1714'
Mahogany	2104'
Base of Parachute	3079'
Wasatch	4658'
Mesa Verde	7135'

# Tech. Pub. #92 Base of USDW's

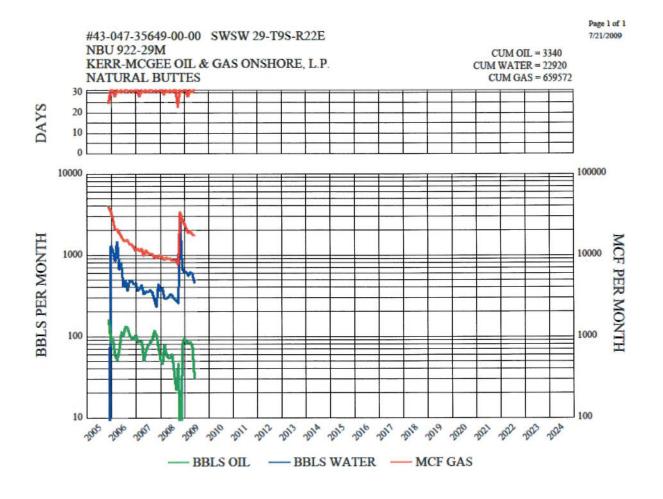
USDW Elevation 1800' MSL USDW Depth 3235' KBE

## PERFORATIONS:

Formation	Date	Тор		SPF	Status
Mesaverde	11/1/05	9040	9043	4	Open
Mesaverde	11/1/05	8896	8901	4	Open
Mesaverde	11/1/05	8782	8786	4	Open
Mesaverde	11/1/05	8533	8538	4	Open
Mesaverde	11/1/05	8416	8417	4	Open
Mesaverde	11/1/05	8081	8085	4	Open
Mesaverde	11/1/05	7572	7574	4	Open
Mesaverde	11/1/05	7405	7408	4	Open
Mesaverde	11/1/05	7246	7248	4	Open
Mesaverde	11/1/05	7195	7199	4	Open
Wasatch	9/23/08	6542	6546	4	Open
Wasatch	9/23/08	6520	6528	4	Open
Wasatch	9/24/08	5718	5724	4	Open
Wasatch	9/24/08	5658	5864	4	Open
Wasatch	9/24/08	5414	5424	4	Open
Wasatch	9/24/08	4970	4976	4	Open
Wasatch	9/24/08	4810	4814	4	Open

# WELL HISTORY:

- Spud on 6/17/05
- TD'd on 10/7/05
- 11/1/05 Perf gross Mesaverde interval f/ 7195' 9043', frac interval in 4 stages w/ 727,560# sand & 6062 bbls gel fluid. Drill out plugs and turn over to flowback crew.
- 11/6/05 1st sales, 1180 Mcfd, 160 bwpd, FTP 1637#, CP 1928#, ck 12/64", LP 81#
- 9/19/09 Recomplete Wasatch, perf Was (4810' 6546'), frac interval w/ 188,937# sand and 4977 bbls slickwater. Drill out plugs and turn over to flowback crew.
- 9/29/08 well turned to sales @ 0850 hr 9/29/2008 ftp 500#, cp 800#, ck 20/64", 1505 mcfd, 192 bwpd.
- Well is being Temporarily Abandoned to accommodate drilling operations. Well will be RTP when the 922-29M Pad is complete.



## NBU 922-29M TEMPORARY ABANDONMENT PROCEDURE

## **GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

## **PROCEDURE**

Note: An estimated 8 sx Class "G" cement needed for procedure

Note: Gyro ran to 7900'

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. PULL TBG & LD SAME, RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
- 3. PLUG #1, ISOLATE MESAVERDE PERFORATIONS (7195' 9043'): RIH W/ 4 ½" CBP. SET @ 7145'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 4 SX CMT (4.36 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~7095'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 4. PLUG #2, ISOLATE WASATCH PERFORATIONS (4810' 6546') & PROTECT WASATCH TOP (4658'): POOH. RIH W/ 4 ½" CBP, SET @ 4760'. RELEASE CBP, BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 15 SX (17.61 CUFT.) ON TOP OF PLUG. PUH ABOVE TOC (~4558'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 5. PLUG #3, PROTECT BASE OF USDW'S (3235'): PUH TO ~3335'. BRK CIRC W/ FRESH WATER. DISPLACE 15 SX (17.44 CUFT.) AND BALANCE PLUG W/ TOC @ ~3135' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
- LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
- 7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 7/21/09

STATE OF UTAH			FORM 9		
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22935				
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	sals to drill new wells, significantly deepen ea agged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 922-29M		
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS	HORE, L.P.		<b>9. API NUMBER:</b> 43047356490000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	treet, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0590 FSL 0512 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: 9 Township: 09.0S Range: 22.0E Meridian: S		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE [	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
8/10/2009	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	√ TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:		
12 DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show all pertin	nent details including dates, denths, vo	nlumes etc		
THE OPERATOR HAS PERFORMED A TEMPORARILY ABANDON ON THE SUBECT WELL LOCATION. TO DRILL THE NBU 922-29M PAD WELL Accepted by the LOCATIONS, WHICH CONSISTS OF NBU 922-29M2DS; NBU 922-29M3CS; Utah Division of AND NBU 922-29M4DS. PLEASE REFER TO THE ATTACHED TEMPORARILOII, Gas and Mining ABANDON CHRONOLOGICAL WELL HISTORY.  FOR RECORD ONLY  Output   The Operator Has Performed Accepted by the Subject of Control of Contr					
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE			
Sheila Wopsock	435 781-7024	Regulatory Analyst			
SIGNATURE N/A		<b>DATE</b> 10/13/2009			

#### **US ROCKIES REGION Operation Summary Report** Spud Date: 9/23/2005 Well: NBU 922-29M Project: UTAH-UINTAH Site: NBU 922-29M PAD Rig Name No: **Event: ABANDONMENT** Start Date: 8/6/2009 End Date: Active Datum: RKB @5,034.99ft (above Mean Sea UWI: NBU 922-29M Level) P/U MD From Date Time Duration Phase Code Sub Operation Start-End (hr) Code (ft) 8/6/2009 7:00 - 7:30 0.50 ABAND 48 Ρ RD & MOVE RIG & EQUIPMENT FROM NBU 1022-7A-4CS TO NBU 922-29M SPOT RIG & EQUIP WELL HAD 500 PSI PMP 20 BBLS DWN TUB TO CONTROL WELLND WELL HEAD NU BOPS RU FLOOR & TUB EQUIP UNLAND WELL RU SCAN TECH POOH SCANING TUB 233 JNTS OF 2-3/8" J-55 9 JNTS OF RED BAND SWIFN 7:00 - 7:30 8/7/2009 0.50 ABAND 48 Ρ JSA W/L SAFETY 7:30 R.U CASED HOLE SOLUTIONS RIH W/ GUAGE - 15:00 7.50 ABAND 30 Р RING TO 7170' POOH PU CBP RIH SET @ 7145' RD W/L TRK TALLEY IN HOLE RUN 224 JNTS EOT@ 7070' SWIFW 8/10/2009 7:00 - 7:30 0.50 **ABAND** 48 Ρ JSA PUMP CEMENT SAFELY 7:30 SIWP= 450 PSI OPEN WELL TO FBT NU PRO - 18:00 10.50 ABAND 30 PETRO WAIT ON FRESH WTR. 45 MIN PMP 24 BBLS TREATED WTR 2 BBLS FRESH 3 BBLS SLURRY FOLLOW W/ FRESH 18 BBLS TREATED WTR. ND PRO PETRO POOH LD 74 JNTS STND BACK 75 STNDS RU CASED HOLE SOL. RIH SET CBP @ 4770' RD W/L N.U PRO PETRO 56 BBLS TO FILL HOLE W/ TREATED WTR TEST CBP TO 1000 PSI, RIH W/ 75 STNDS & SINGLE EOT @ 4763.75' PRO PETRO FILL HOLE 3 BBLS PMP 5 BBLS FRESH AHEAD PMP 3 BBLS SLURRY FOLLOW W/ 2 BBLS FRESH DISPLACE W/ 17.6 BBLS TREATED WTR. ND PRO PETRO LD 52 JNTS 98 IN HOLE EOT @ 3342' FILL HOLE W/ 6 BBLS FRESH 3 BBLS SLURRY 2 BBLS FRESH DISPLACE W/ 10 BBLS TREATED LD 10 JNTS REVERSE & FILL HOLE W/ TREATED WTR LD REMAINING 88 JNTS ND BOPS & TUBING HEAD. HAD 9 JNTS RED BAND SENT TO JUNK

224 JNTS YELLOW & BLUE BAND TO WESTROC

STATE OF UTAH			FORM 9	
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22935			
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deepen igged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 922-29M	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS	HORE, L.P.		<b>9. API NUMBER:</b> 43047356490000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	treet, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0590 FSL 0512 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 29	P, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian:	: S	STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	☐ ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME	
7,4,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION	
1/13/2010	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK	
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON	
	☐ TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL	
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all per	rtinent details including dates, depths, v	olumes, etc.	
THIS TA WELL HA	S RETURNED TO PRODUCTIO	N. THE SUBJECT WELL		
RET	URNED TO PRODUCTION ON		Accepted by the	
			Jtah Division of , Gas and Mining	
			-	
		FUR	R RECORD 4, 2011 LY	
			•	
NAME (DI EACE DOTAT)	риоме мимрер	) TITLE		
NAME (PLEASE PRINT) Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	R TITLE Regulatory Analyst		
SIGNATURE N/A		<b>DATE</b> 1/14/2010		